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1913



1914

BRUNSWICK, MAINE

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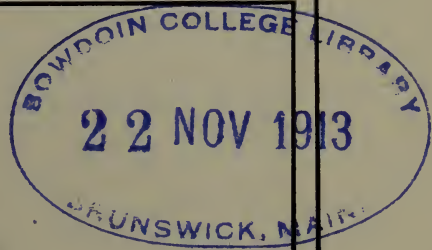
DECEMBER

1913

CATALOGUE *of*
B O W D O I N
C O L L E G E

& the Medical School of Maine

FOR THE YEAR 1913-1914



B R U N S W I C K , M A I N E

Printed for the College . MDCCCCXIII

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Calendar

BOWDOIN COLLEGE

1913.

September 25 . First Semester began—Thursday, 8.20 A. M.

October 12 . . Columbus Day.

*Thanksgiving recess from 12.30 P. M. November 26
to 8.20 A. M. December 1.*

*Vacation from 4.30 P. M. December 23 to 8.20 A. M.
January 6, 1914.*

1914.

January 15 . . Class of 1868 Prize Speaking.

Jan. 29-Feb. 7 Examinations of the First Semester.

February 9 . . Second Semester begins—Monday, 8.20 A. M.

February 22 . Washington's Birthday.

*Vacation from 4.30 P. M. March 27 to 8.20 A. M.
April 7.*

April 19 . . . Patriots' Day.

May 30 . . . Memorial Day.

June 5 . . . Ivy Day.

June 4-6 . . . Examinations at Preparatory Schools.

June 11-20 . . Examinations of the Second Semester.

June 21 . . . The Baccalaureate Sermon, 4 P. M.

June 22 . . . Alexander Prize Speaking.

June 23 . . . Class Day.

Meeting of the Trustees and Overseers.

Meeting of the Maine Historical Society.

June 24 . . . Annual Meeting of the Phi Beta Kappa,
Alpha of Maine.

Annual Meeting of the Alumni Association.

The President's Reception.

June 25 . . . The Commencement Exercises of the College.
The Commencement Dinner.

June 25-27 . . Entrance Examinations in Brunswick.

Summer Vacation of Thirteen Weeks.

Sept. 21-23 . . Entrance Examinations in Brunswick.

Bowdoin College

- September 24 . First Semester begins—Thursday, 8.20 A. M.
Thanksgiving recess from 12.30 P. M. November 25 to
8.20 A. M. November 30.
Vacation from 4.30 P. M., December 23 to 8.20 A. M.
1915. *January 5, 1915.*
Jan. 28-Feb. 6 Examinations of the First Semester.
February 8 . . Second Semester begins—Monday, 8.20 A. M.
June 24 . . Commencement.

MEDICAL SCHOOL OF MAINE

1913.
October 16 . . Ninety-third annual course began.
Entrance Examinations for First Year Students, in Brunswick.
October 17-18 Re-examinations, deferred Examinations, and Examinations for Advanced Standing.
Thanksgiving recess from 1.30 P. M. November 26 to
8 A. M. December 1.
Vacation from 11 A. M. December 20 to 8 A. M.
1914. *January 2, 1914.*
February 22 . Washington's Birthday.
Vacation from 1.30 P. M. March 28 to 8 A. M.
April 7.
April 19 . . . Patriots' Day.
May 30 . . . Memorial Day.
June 10-24 . . Examinations.
June 24 . . . Commencement Exercises of the Medical School.
Summer Vacation of Sixteen Weeks.

Office Hours

- The Treasurer, Massachusetts Hall; 9 to 12, 2 to 4; Saturday, 9 to 12.
The Dean, Massachusetts Hall; 12.30 to 1 daily except Saturday; 2 to 3, Monday, Tuesday and Friday. The office is open every afternoon except Saturday from 1.30 to 4.30.

BOWDOIN COLLEGE

BOWDOIN COLLEGE was incorporated by the General Court of Massachusetts, upon the joint petition of the Association of Ministers and the Court of Sessions of Cumberland County. The act of incorporation was signed by Governor Samuel Adams, June 24, 1794.

The College was named in honor of James Bowdoin, a grandson of the Huguenot refugee, Pierre Baudouin, who fled from the religious persecution that followed the revocation of the Edict of Nantes, and, in 1687, made a home for himself on the shores of Casco Bay, in what is now the city of Portland. In the next generation the family name was anglicized, and the grandson, James Bowdoin, was born in Boston, which had become the family home, and was graduated from Harvard College in 1745.

He was a staunch and influential supporter of the movement for American independence, a member for many years of the Council, or senate, of the colonial legislature, a delegate to the first Continental Congress in Philadelphia, president of the Provincial Council, and a close personal friend of Washington. He was also the president of the convention which framed the Constitution of Massachusetts, and was, subsequently, for two terms Governor of the State. In addition to his civil honors he received honorary academic degrees from Harvard, from the University of Pennsylvania, and from the University of Edinburgh; he was a member of various foreign societies, the first president of the American Academy of Arts and Sciences, and a valued friend and correspondent of Benjamin Franklin.

The earliest patron of the College was the Honorable James

Bowdoin College

Bowdoin, son of the Governor. He was graduated from Harvard College in 1771, and subsequently studied at the University of Oxford. In President Jefferson's administration he was appointed successively Minister Plenipotentiary at the Court of Spain, and Associate Minister at the Court of France. During his residence abroad he accumulated a valuable library, a collection of paintings and drawings by old and modern masters, a cabinet of minerals and fossils, together with models of crystallography, all of which he bequeathed to the College. During his lifetime he gave land, money, and apparatus to the College, and at his death it became, by will, his residuary legatee.

Circumstances delayed the opening of the College for several years after its incorporation; but in 1802, a substantial brick building having been erected for its accommodation, the first president was inaugurated, and the work of instruction was begun. The government of the College is vested in two concurrent Boards, the Trustees and the Overseers, and since 1870 one-half the vacancies occurring in the Board of Overseers have been filled from nominations by the body of the alumni.

The Medical School dates from 1820, when it was incorporated by the first legislature of the new State of Maine, and made a department of Bowdoin College.

The academical, medical and honorary graduates number together six thousand and fifty-four; and nearly half as many more have studied here without taking degrees. The living graduates number over two thousand seven hundred.

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Bowdoin College

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MESSRS. CHAMBERLAIN AND BAXTER.

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*The residence is in Brunswick, except as otherwise stated.

Bowdoin College

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5A McLellan Street.

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2 Page Street.

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7 Deering Street, Portland.

ARTHUR SCOTT GILSON, M.D., *Instructor in Clinical Surgery.*

117 State Street, Portland.

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365 Congress Street, Portland.

WILLIAM WHEELER BOLSTER, A.B., M.D., *Instructor in Physiology.*

149 College Street, Lewiston.

*Died June 28, 1913.

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- EDWARD HAMES WASS, *Instructor in Music and Organist.* 7 Page Street.
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- ROLAND BANKS MOORE, M.D., *Instructor in Pediatrics.* 768 Congress Street, Portland.
- LEE DUDLEY McCLEAN, A.M., *Instructor in Economics and Sociology.* 262 Maine Street.
- LEON STANLEY LIPPINCOTT, A.B., M.D., *Instructor in Physiology.* 6 McKeen Street.
- FRANCIS WILSON LAMB, M.D., *Clinical Assistant in Orthopedics.* 156 Free Street, Portland.
- ALBION HENRY LITTLE, M.D., *Clinical Assistant in Diseases of the Eye and Ear.* 763 Congress Street, Portland.
- ALFRED WILLIAM HASKELL, M.D., *Clinical Assistant in Surgery.* 660 Congress Street, Portland.
- HERBERT ELDRIDGE MILLIKEN, M.D., *Assistant in Medicine.* 181 State Street, Portland.
- WILLIAM MORAN, M.D., *Clinical Assistant in Diseases of the Eye.* Y. M. C. A. Building, Portland.

Bowdoin College

- HAROLD ASHTON PINGREE, M.D., *Clinical Assistant in Orthopedics.* 156 Free Street, Portland.
ERNEST WOODBURY FILES, A.B., M.D., *Clinical Assistant in Surgery.* 522 Deering Avenue, Portland.
ERNEST BERTRAND FOLSOM, A.B., M.D., *Clinical Assistant in Medicine.* 77 Granite Street, Portland.
ORAMEL ELISHA HANEY, M.D., *Clinical Assistant in Surgery.* 528 Deering Avenue, Portland.
LUCINDA BLAKE HATCH, M.D., *Clinical Assistant in Obstetrics.* 85 Emery Street, Portland.
STANWOOD ELMAR FISHER, M.D., *Clinical Assistant in Diseases of the Nose and Throat.* 190 State Street, Portland.
MERLON ARDEEN WEBBER, A.B., M.D., *Assistant in Surgery.* 359 Congress Street, Portland.
MILLARD CARROLL WEBBER, A.B., M.D., *Clinical Assistant in Diseases of the Eye and Superintendent of the Dispensary.* 849 Congress Street, Portland.
CARL MERRILL ROBINSON, A.B., M.D., *Assistant Demonstrator of Anatomy.* 332 Spring Street, Portland.
ADAM PHILLIPS LEIGHTON, JR., M.D., *Assistant in Diseases of Women.* 192 State Street, Portland.
JAMES DONALD CLEMENT, M.D., *Assistant in Genito-Urinary Surgery.* 711 Congress Street, Portland.
CARL HERVEY STEVENS, M.D., *Assistant Demonstrator of Anatomy.* 14 Main Street, Belfast.
PERCY KENDALL HOLMES, A.M., *Assistant in Hygiene and Physical Training.* 76 Harpswell St.

Other Officers

- SAMUEL BENSON FURBISH, B.S., *Treasurer.* 28 School Street.
HUGH McLELLAN LEWIS, B.C.E., *Assistant in the Library.* 11 Cleaveland Street.
EDITH JENNEY BOARDMAN, *Cataloguer,* 2 High Street.

Preachers and Lecturers

ALICE CURTIS LITTLE, *Secretary*. 15 Potter Street.
CAROLINE TILLSON ROBINSON, *Assistant Curator of
the Art Collections*. 256 Maine Street.

College Preachers

REV. CHARLES REYNOLDS BROWN, D.D.,
New Haven, Conn.
REV. WILLIAM WALLACE FENN, D.D.,
Cambridge, Mass.
REV. ALBERT PARKER FITCH, D.D., *Cambridge, Mass.*
REV. GEORGE ANGIER GORDON, D.D., *Boston, Mass.*
*REV. HERBERT ROSWELL BATES.

Lecturers

PROF. FREDERIC HENRY GERRISH, M.D., LL.D., *Ben-
jamin Apthorp Gould Fuller Lecturer*.
ALFRED NOYES, Litt.D., *Annie Talbot Cole Lecturer*.

*Died July 16, 1913.

STUDENTS

Undergraduates

ABBREVIATIONS:

A. H., Appleton Hall; M. H., Maine Hall; W. H., Winthrop Hall.

Candidates for the degree of A.B. have a small A after their names, candidates for the degree of B.S., have a small S, and students enrolled in the Medical Preparatory Course have a small M.

SENIORS—Class of 1914

Name	Residence	Room
Adams, Hebron Mayhew	A <i>Westbrook,</i>	24 M. H.
Ashby, Herbert Wassall	A <i>Salem, Mass.,</i>	15 A. H.
Badger, Omar Perlie	A <i>Bingham,</i>	Z. Ψ. House.
Barton, Horace Allan	A <i>Greenwich, Conn.,</i>	Θ. Δ. X. House.
Bickford, Charles Harold	A <i>Portland,</i>	Z. Ψ. House.
Brown, Clarence Arthur	A <i>Portland,</i>	B. Θ. II. House.
Brown, Lewis Turner	A <i>Portland,</i>	B. Θ. II. House.
Buell, Ralph Lewin	A <i>Portland,</i>	234 Maine St.
Burns, Kendrick	A <i>Saco,</i>	Δ. T. House.
Callahan, Francis Xavier	A <i>Portland,</i>	B. Θ. II. House.
Chase, Samuel Wood	A <i>Lowell, Mass.,</i>	Δ. T. House.
Cole, Alan Ramsay	A <i>Bath,</i>	Θ. Δ. X. House.
Cunliffe, William Henry, Jr.	A <i>Fort Kent,</i>	Δ. K. E. House.
Dixon, Henry Campbell	A <i>Moosup, Conn.,</i>	15 W. H.
Donahue, Louis Augustin	A <i>Portland,</i>	23 A. H.
Donahue, Paul Edwin	A <i>Portland,</i>	23 A. H.
Eaton, George Franklin	A <i>Bangor,</i>	7 W. H.
Eddy, Warren Day	A <i>Portland,</i>	Δ. K. E. House.
Farrar, William Haskell	A <i>Bath,</i>	Δ. T. House.
Fox, Philip Ramon	A <i>Portland,</i>	10 A. H.
Garland, Francis Tibbetts	A <i>Bangor,</i>	B. Θ. II. House.
Gibson, Leonard Henry, Jr.	A <i>Bath,</i>	Δ. T. House.
Gordon, Eugene Bradley	A <i>Brewer,</i>	17 Cleaveland St.
Gray, Alfred Everett	A <i>Portsmouth, N. H.,</i>	7 A. H.

Students

Name	Residence	Room
Hall, Henry Levenseller	A <i>Camden,</i>	B. Θ. II. House.
Hamblen, Maurice Wingate	A <i>Bridgton</i>	Θ. Δ. X. House.
Hamilton, John Warren	A <i>Brattleboro, Vt.,</i>	262 Maine St.
Hayes, Harold Merrill	A <i>Foxcroft,</i>	Z. Ψ. House.
Heywood, John	S <i>Gardner, Mass.,</i>	Δ. K. E. House.
Hubbard, Roswell Earle	A <i>Hatfield, Mass.,</i>	15 W. H.
King, Harold Fremont	A <i>So. Scituate, R.I.,</i>	4 Cleaveland St.
LaCasce, Elroy Osborne	A <i>Skowhegan,</i>	23 M. H.
Leigh, Robert Devore	A <i>Seattle, Wash.,</i>	7 M. H.
Loeffler, Frank Robert	A <i>Lisbon Falls,</i>	Bowdoin Club.
Marr, Vernon Waldo	A <i>Farmington,</i>	Δ. T. House.
Merrill, Arthur Stowers	A <i>Skowhegan,</i>	Δ. K. E. House.
Mitchell, Percy Downing	A <i>Biddeford,</i>	Δ. T. House.
Monroe, Reginald Allen	A <i>Milo,</i>	Z. Ψ. House.
Mountfort, Sumner Leighton	A <i>Portland,</i>	Θ. Δ. X. House.
Nason, Evan Albert	A <i>Ware, Mass.,</i>	B. Θ. II. House.
Newcombe, Alfred Watts	A <i>Thomaston,</i>	Z. Ψ. House.
Payson, Edgar Robinson, Jr.	A <i>Portland,</i>	Ψ. T. House.
Peters, Almon Lauchlin	A <i>Malden, Mass.,</i>	32 M. H.
Pope, Philip Huntley	A <i>Manchester,</i>	B. Θ. II. House.
Pratt, Arthur Llewellyn	A <i>Bath,</i>	13 W. H.
Pratt, Leo Walter	A <i>Wilton,</i>	K. Σ. House.
Robinson, Kenneth Allan	A <i>Biddeford,</i>	Δ. T. House.
Russell, Clifford Little	A <i>Portland,</i>	Θ. Δ. X. House.
Schwey, Joseph	A <i>Portland,</i>	Bowdoin Club.
Shea, Herbert Meyer	A <i>Hallowell,</i>	Δ. T. House.
Simpson, Richard Earl	A <i>Portland,</i>	Z. Ψ. House.
Snow, Edward Holyoke	A <i>Brunswick,</i>	35 Cumberland St.
Sylvester, Ermond	A <i>Durham,</i>	K. Σ. House.
Tarbox, James Obadiah	A <i>Topsham,</i>	25 W. H.
Thompson, Earle Spaulding	A <i>Bath,</i>	7 W. H.
Tuttle, Neal Dow	A <i>Cumberland Mills,</i>	Θ. Δ. X. House.
Verrill, Ray Marshall	A <i>Farmington,</i>	102 Union St.
Weatherill, Robert Thomas	A <i>Brunswick,</i>	34 School St.
White, Paul Lambert	A <i>Indianapolis, Ind.,</i>	23 W. H.
Wilson, Earl Farnsworth	A <i>Thomaston,</i>	Ψ. T. House.
Wright, James Preble	A <i>Wiscasset,</i>	Z. Ψ. House.

JUNIORS—Class of 1915

Name	Residence	Room
Allen, Harry Everett	A <i>Brunswick,</i>	72 Pleasant St.
Austin, Elden Hiram	A <i>Dexter,</i>	B. Θ. II. House.

Bowdoin College

Name	Residence	Room
Bacon, George William	A <i>Weston, Mass.</i> , B. Θ. Π. House.	
Bate, Francis Howard	A <i>Ticonderoga, N. Y.</i> , 234 Maine St.	
Bodurtha, Robert Ellsworth	A <i>Westfield, Mass.</i> , Δ. Τ. House.	
Card, Philip Livingstone	A <i>Portland</i> , A. Δ. Φ. House.	
Chatto, Harry Murray	A <i>South Brooksville</i> , 14 A. H.	
Coffin, Robert Peter	A <i>Brunswick</i> , 28 College St.	
Coxe, Fred Walter	A <i>Woodfords</i> , 13 A. H.	
Cristy, George Linsley	A <i>Bath</i> , Bath.	
Cutler, Elisha Pomeroy	A <i>Medfield, Mass.</i> , 27 W. H.	
Demmons, Paul Douglas	A <i>East Machias</i> , 7 McKean St.	
Dow, Leon French	A <i>Livermore Falls</i> , Z. Ψ. House.	
Dunton, Robert Manson	A <i>Bath</i> , A. Δ. Φ. House.	
Eastman, Roger Kimball	S <i>Lowell, Mass.</i> , Δ. K. E. House.	
Eaton, Albion Keith	S <i>Calais</i> , Ψ. Τ. House.	
Elwell, Edward Richardson	A <i>Portland</i> , Θ. Δ. X. House.	
Evans, Robert Joseph	A <i>Shirley, Mass.</i> , B. Θ. Π. House.	
Fessenden, Joseph Coombs	A <i>Lisbon Falls</i> , 29 M. H.	
Floyd, Gordon Pierce	S <i>Woodfords</i> , K. Σ. House.	
Gage, Elwyn Collins (1914)	A <i>Augusta</i> , Z. Ψ. House.	
Hall, George Albert, Jr.	A <i>Houlton</i> , Δ. K. E. House.	
Hamel, John Ralph	A <i>Portland</i> , 6 Cleaveland St.	
Hastings, Maynard Albert	A <i>Warren</i> , Bowdoin Club.	
Hyler, Aaron Winchenbach	A <i>Thomaston</i> , 7 McKean St.	
Jones, Otto Rockefeller Folsom	A <i>Skowhegan</i> , 22 W. H.	
Keegan, William Owen	A <i>Lewiston</i> , 18 W. H.	
Koughan, Paul Joseph	A <i>Bath</i> , B. Θ. Π. House.	
Kuhn, Maynard Henderson	A <i>Waldoboro</i> , Z. Ψ. House.	
Lewis, Herbert Alton	S <i>North Haven</i> , B. Θ. Π. House.	
Livingston, William Towle	A <i>Bridgton</i> , Θ. Δ. X. House.	
Loring, Kimball Atherton	A <i>Reading, Mass.</i> , Θ. A. X. House.	
Lynch, Frederick James	A <i>Cambridge, Mass.</i> , A. Δ. Φ. House.	
MacCormick, Austin Harbutt	A <i>Boothbay Harbor</i> , Δ. Τ. House.	
MacDonald, Charles Creighton	A <i>Richmond</i> , Richmond.	
MacDonald, Joseph Cony	A <i>Bangor</i> , Δ. K. E. House.	
McKenney, Francis Paul	A <i>Brunswick</i> , 56 Pleasant St.	
McKinnon, Max Verne	A <i>Calais</i> , B. Θ. Π. House.	
McWilliams, George Arthur	A <i>Bangor</i> , A. Δ. Φ. House.	
Mannix, Daniel Maurice	A <i>Portland</i> , K. Σ. House.	
Melcher, Stanwood Alexander	A <i>Mt. Holly, N. J.</i> , Δ. K. E. House.	
Melloon, Ralph Reid	A <i>Lowell, Mass.</i> , 4 M. H.	
Merrill, Dana Kinsman	A <i>Portland</i> , 30 A. H.	
Merrill, Ivan Colson	A <i>Lawrence, Mass.</i> , Θ. Δ. X. House.	

Students

Name	Residence	Room
Morrison, Charles Carr, Jr.	A <i>Bar Harbor,</i>	Z. Ψ. House.
Perkins, Clifford Thompson	A <i>Ogunquit,</i>	Δ. T. House.
Porritt, Philip Webb	A <i>Hartford, Conn.,</i>	Δ. K. E. House.
Prescott, Harold Milton	A <i>Portland,</i>	Δ. T. House.
Ramsay, Kenneth Elmer	A <i>Saco,</i>	A. Δ. Φ. House.
Richardson, Gordon Dana	A <i>Reading, Mass.,</i>	Θ. Δ. X. House.
Ricker, George Worcester	S <i>Portland,</i>	27 M. H.
Roberts, Frank Stanwood,	A <i>Brunswick,</i>	5 Jordan Ave.
Robinson, Clarence Eugene	A <i>Thomaston,</i>	17 Cleaveland St.
Rodick, Daniel Wilson	A <i>South Portland,</i>	17 Cleaveland St.
Rogers, Charles Talbot	A <i>North Anson,</i>	Δ. T. House.
Rollins, John Fox	A <i>Bangor,</i>	21 M. H.
Smith, Philip Sidney	S <i>Leicester, Mass.,</i>	A. Δ. Φ. House.
Standish, Myles, Jr. (1914)	A <i>Boston, Mass.,</i>	Δ. K. E. House.
Stetson, Alvah Booker	A <i>Brunswick,</i>	35 Cumberland St.
Stone, Ellsworth Allen	A <i>Lynn, Mass.,</i>	Z. Ψ. House.
Tackaberry, William George	A <i>Lewiston,</i>	5 M. H.
Talbot, George Henry	A <i>South Portland,</i>	15 M. H.
Thompson, George Cummings	A <i>Augusta,</i>	13 A. H.
Threlfall, John Wesley	A <i>Leeds, Eng.,</i>	10 Harpswell Pl.
Tukey, Norman Stanford	A <i>Somerville, Mass.,</i>	14 A. H.
Verrill, Harold Everett	A <i>Portland,</i>	A. Δ. Φ. House.
West, Samuel	A <i>Boston, Mass.,</i>	13 W. H.
Wing, Paul Llewellyn	A <i>Bath,</i>	Ψ. T. House.
Woodbury, Vernon Pierce	A <i>Leominster, Mass.,</i>	B. Θ. II. House.

SOPHOMORES—Class of 1916

Name	Residence	Room
Adams, Brainerd Lucas (1915)	A <i>Spruce Head,</i>	B. Θ. II. House.
Bacon, Everett Warren	A <i>Skowhegan,</i>	23 M. H.
Badger, Guy Wellman (1915)	A <i>Skowhegan,</i>	4 M. H.
Bamford, Wellington Arthur	S <i>Houlton,</i>	21 W. II.
Barrett, Ralph Lester	A <i>E. Sumner,</i>	36 Cumberland St.
Barry, James Edward	S <i>Bangor,</i>	6 M. H.
Baxter, John Lincoln	A <i>Brunswick,</i>	5 A. H.
Beal, George Ernest	A <i>Lisbon Falls,</i>	Θ. Δ. X. House.
Bird, Adriel Ulmer	A <i>Rockland,</i>	B. Θ. II. House.
Boardman, Elliot Sheffield,	A <i>Guilford,</i>	Ψ. T. House.
Brewster, James Hiram	A <i>Lisbon Falls,</i>	29 M. H.
Bridge, Harry Pearlton (1915)	S <i>Brunswick,</i>	46 Harpswell St.
Burr, Kenneth Towle	S <i>Dorchester, Mass.,</i>	Θ. Δ. X. House.

Bowdoin College

Name	Residence	Room
Canney, Aaron Wallace	A <i>Kezar Falls,</i>	2 M. H.
Carter, Philip Linwood	A <i>Portland,</i>	32 W. H.
Chase, Walter Emery Jr.	A <i>Bath,</i>	Ψ. T. House.
Churchill, John Doane	A <i>Minot,</i>	Δ. T. House.
Cooley, Elmer Carroll (1915)	A <i>Clark City, P. Q.,</i>	5 Pine St.
Coombs, Warren Crosby (1914)	A <i>Camden,</i>	Bowdoin Club.
Crossman, Alfred Hall	A <i>Newton Center, Mass.,</i>	Δ T. House.
Cruff, Frederick Ellery	S <i>West Roxbury, Mass.,</i>	12 M. H.
Drapeau, Eudore Alphonse	A <i>Brunswick,</i>	10 Mason St.
Dunn, James Alfred	A <i>Malden, Mass.,</i>	32 M. H.
Dyar, Malcolm Henry	A <i>Freeman,</i>	8 McKen St.
Edwards, Don Jerome	S <i>Portland,</i>	Z. Ψ. House.
Elliott, Lowell Allison	S <i>Haverhill, Mass.,</i>	K. Σ. House.
Evans, Ora Liston	A <i>Dover,</i>	Z. Ψ. House.
Fortin, Charles Percival	S <i>New Bedford, Mass.,</i>	K. Σ. House.
Foster, Herbert Henry	A <i>Seattle, Wash.,</i>	9 M. H.
Fraser, Samuel	S <i>Masardis,</i>	31 M. H.
Fuller, Richard Stearns	A <i>Rockland,</i>	Δ. K. E. House.
Garland, Edward Philip	A <i>Bangor,</i>	1 W. H.
Greeley, George Everett	A <i>Hudson, Mass.,</i>	24 M. H.
Hagerman, Coy Lawrence	A <i>Houlton,</i>	21 W. H.
Haggett, Amos Bartlett, Jr.	A <i>Bath,</i>	11 W. H.
Hale, Myron Eusebius	A <i>Roxbury, Mass.,</i>	8 A. H.
Hall, Chauncey Alfred	S <i>Augusta,</i>	25 M. H.
Hamlin, Raymond Charmbury	S <i>Maynard, Mass.,</i>	B. Θ. II. House.
Hart, Lawrence Joseph	A <i>Bath,</i>	32 A. H.
Hawes, Edward Cary	A <i>Bangor,</i>	11 M. H.
Head, Alden Fairfield	A <i>Bangor,</i>	11 M. H.
Hellen, John Carleton	A <i>Lewiston,</i>	5 M. H.
Hescock, Hugh Merrill	A <i>Foxcroft,</i>	14 M. H.
Hight, Donald Clarke	A <i>Athens,</i>	18 W. H.
Hildreth, Arthur Griffin	S <i>Westford, Mass.,</i>	Bowdoin Club.
Hodgkins, Carroll William	A <i>Portsmouth, N. H.,</i>	2 M. H.
Ireland, William Dunning	S <i>Stetson,</i>	B. Θ. II. House.
Irving, Laurence	A <i>West Roxbury, Mass.,</i>	8 A. H.
Kelley, David Francis	A <i>Gardiner,</i>	Ψ. T. House.
Knight, Harry Fletcher	S <i>Townsend Harbor, Mass.,</i>	30 M. H.
Knowlton, Frank Earle (1915)	A <i>Farmington,</i>	44 Pleasant St.
Lappin, James Blaine (1915)	A <i>Portland,</i>	26 A. H.
Larrabee, Raymond Horace	A <i>Bridgton,</i>	Bowdoin Club.
Leadbetter, Guy Whitman	A <i>South Lincoln,</i>	1 W. H.
Little, Edward Robert	A <i>Brunswick,</i>	15 Potter St.
Littlefield, Arthur Eldridge	S <i>Dorchester, Mass.,</i>	26 A. H.

Students

Name	Residence	Room
Lord, William Mason Bradley	A <i>Portland,</i>	5 A. H.
McCargo, Francis Wood (1914)	A <i>Augusta,</i>	Δ. K. E. House.
McElwee, Leland Stanford	A <i>Houlton,</i>	Δ. K. E. House.
Merrill, Urban Howe	A <i>Lawrence, Mass.,</i>	Θ. Δ. X. House.
Minott, Clarence Marshall (1915)	A <i>South Portland,</i>	K. Σ. House.
Moulton, James Burleigh	S <i>East Brownfield,</i>	1 M. H.
Moulton, Manning Cole (1915)	A <i>Portland,</i>	K. Σ. House.
Niven, Paul Kendall	A <i>Providence, R. I.,</i>	21 M. H.
Noble, Lew Maurice	A <i>Phillips,</i>	A. Δ. Φ. House.
Parmenter, Ralph Colby	A <i>Portland,</i>	16 M. H.
Parsons, Hayward Treat	A <i>Augusta,</i>	Δ. K. E. House.
Proctor, Maurice Clifton	A <i>Portland,</i>	Bowdoin Club.
Ramsdell, Leroy Addison	S <i>Portland,</i>	Δ. T. House.
Richardson, Raymond Miller	A <i>Lynn, Mass.,</i>	18 A. H.
Sayward, Dwight Harold	A <i>Portland,</i>	Ψ. T. House.
Shwartz, Abraham Seth	A <i>Portland,</i>	31 M. H.
Somers, Harold McNeill (1915)	A <i>Portland,</i>	K. Σ. House.
Soule, Ruel Blaine	A <i>Augusta,</i>	22 W. H.
Stetson, Leslie Nathaniel (1915)	A <i>Brunswick,</i>	12 Federal St.
Stratton, Earle Revere	A <i>Hudson, Mass.,</i>	Δ. T. House.
Stuart, George Richard	A <i>Augusta,</i>	Δ. K. E. House.
Tapley, Clarence Hall (1915)	A <i>Ellsworth,</i>	Ψ. T. House.
Thomas, Harry Sanborn	A <i>Farmington Falls,</i>	19 M. H.
Weatherill, Philip Francis	A <i>Brunswick,</i>	34 School St.
Webber, Leigh	A <i>Hallowell,</i>	25 M. H.
Weston, Timothy Herbert	A <i>Broad Cove,</i>	4 A. H.
White, Charles Francis (1914)	A <i>Methuen, Mass.,</i>	Ψ. T. House.
White, Donald Sherman	A <i>Indianapolis, Ind.,</i>	3 W. H.
White, Langdon Robert	S <i>Bath,</i>	31 A. H.
Winter, John Glenwood	A <i>Kingfield,</i>	Δ. T. House.
Wood, Henry Gerard	A <i>Steuben,</i>	17 A. H.
Woodman, Willard Paine	A <i>Peabody, Mass.,</i>	A. Δ. Φ. House.

FRESHMEN—Class of 1917

Name	Residence	Room
Achorn, Erik	A <i>Newton Highlands, Mass.,</i>	10 M. H.
Babcock, Leon Warren	A <i>Lewiston,</i>	22 M. H.
Bancroft, Winthrop	A <i>Brookline, Mass.,</i>	Ψ. T. House.
Bartlett, Boyd Wheeler	A <i>Castine,</i>	13 M. H.
Bartlett, Fred Oscar, Jr.	A <i>Rockland,</i>	26 M. H.
Bigelow, Murray Murch	A <i>South Paris,</i>	10 W. H.

Bowdoin College

Name	Residence	Room
Bingham, Charles	A <i>Indianapolis, Ind.,</i>	3 A. H.
Blanchard, Edwin Howard	A <i>Augusta,</i>	11 A. H.
Blethen, John (1916)	M <i>Frankfort,</i>	32 A. H.
Bond, Edward Henry	A <i>Allston, Mass.,</i>	16 W. H.
Boothby, James Eben	A <i>Dubuque, Iowa,</i>	6 A. H.
Boothby, Russell McLellan	A <i>Dubuque, Iowa,</i>	6 A. H.
Boutwell, Louis Evans	A <i>Malden, Mass.,</i>	Θ. Δ. X. House.
Bowdoin, Clifton Wentworth	A <i>Dexter,</i>	17 M. H.
Brackett, James Scott (1916)	A <i>Phillips,</i>	Δ. T. House.
Bradford, Benjamin Pliny	A <i>Wayne,</i>	1 A. H.
Brigham, Woodbury Purington	S <i>Roxbury, Mass.,</i>	12 A. H.
Brown, Sydney MacGillvary	A <i>Webster, Mass.,</i>	14 W. H.
Buhleier, Peter Joseph	M <i>New York, N. Y.,</i>	30 W. H.
Burleigh, Donald Quimby	A <i>Augusta,</i>	9 A. H.
Burnham, Vaughan Forrest (1916)	A <i>Portland,</i>	14 M. H.
Campbell, Boniface	S <i>Portland,</i>	2 A. H.
Carll, Francis Whipple	S <i>East Waterboro,</i>	26 W. H.
Carter, James Franklin	S <i>Danforth,</i>	9 McLellan St.
Chapman, Arthur Burton	A <i>Syracuse, N. Y.,</i>	2 A. H.
Clough, Earl Eddy	S <i>Franklin, N. H.,</i>	28 A. H.
Colbath, George Edwin	A <i>Dexter,</i>	1 A. H.
Colby, Raymond Foster	A <i>Richmond,</i>	12 Page St.
Colton, Samuel Horton, Jr.	S <i>Worcester, Mass.,</i>	5 W. H.
Coombs, Harold Elwood	M <i>Portland,</i>	99 Pleasant St.
Corbett, Frederick Jackson	S <i>Boston, Mass.,</i>	9 W. H.
Cormack, William Sinclair, Jr.	A <i>Newton, Mass.,</i>	14 W. H.
Crane, Percy Fremont	S <i>Whiting,</i>	29 A. H.
Crehore, Rogers Murdock	A <i>Danvers, Mass.,</i>	3 M. H.
Cronin, Eugene Joseph (1916)	A <i>Lewiston,</i>	13 M. H.
Crosby, Clarence Henry	A <i>Dexter,</i>	12 A. H.
Dalrymple, Sidney Collingwood	S <i>Medford, Mass.,</i>	36 Cumberland St.
Doten, Harold Linwood	A <i>Lewiston,</i>	29 W. H.
Dow, Lafayette Francis	A <i>South Paris,</i>	10 W. H.
Drummond, Robert Rutherford (1916)	A <i>Portland,</i>	Δ. K. E. House.
Eaton, Roland Leonard	A <i>Sebasco,</i>	6 W. H.
Fenning, Walter Arnold	A <i>Lynn, Mass.,</i>	18 A. H.
Fillmore, Robert Newell	A <i>Old Orchard,</i>	19 M. H.
Flynt, Leigh Damon	A <i>Augusta,</i>	27 A. H.
Fobes, Theodore Burgess	A <i>Portland,</i>	20 M. H.
Follett, Earl Christy	M <i>Davidson,</i>	9 McLellan St.
Foster, Clifford Robertson	A <i>Seattle, Wash.,</i>	9 M. H.
Freeman, William Everett	M <i>Bath,</i>	30 W. H.
George, Donald Payson (1916)	S <i>Thomaston,</i>	Ψ. T. House.

Students

Name	Residence	Room
Gillespie, Eugene Morrill	A <i>Gardiner,</i>	17 W. H.
Ginty, Allan Joseph (1916)	A <i>Boston, Mass.,</i>	15 M. H.
Glidden, Jerry Dempsey	A <i>Presque Isle,</i>	24 A. H.
Goodskey, Alex John	A <i>Collinsville, Conn.,</i> 4	Cleaveland St.
Gormley, Henry Lincoln (1916)	S <i>Roxbury, Mass.,</i>	23 Boody St.
Gregory, Clarence Leslie	S <i>Thomaston,</i>	16 W. H.
Hargraves, Frank Hobart Lord (1916)	M <i>West Buxton,</i>	Ψ. T. House.
Haseltine, Frank Ashmore	S <i>Pittsfield,</i>	28 M. H.
Hazeltine, Frank Durham	S <i>Belfast,</i>	24 M. H.
Healey, Joseph Francis Xavier (1916)	A <i>Portland,</i>	31 A. H.
Humphrey, Edward	S <i>Portland,</i>	25 A. H.
Jones, Linwood Harry	A <i>Carmel,</i>	19 A. H.
Jordan, Clarence Mitchell	S <i>South Portland,</i>	31 A. H.
Keene, Campbell	S <i>Augusta,</i>	9 A. H.
Kelley, Henry Woodhull	A <i>Bangor,</i>	24 W. H.
Kimball, James Calvin	M <i>Dorchester, Mass.,</i> 16	Cleaveland St.
King, Elwyn Austin	A <i>North Andover, Mass.,</i>	9 W. H.
Knapp, Richard Berry, Jr.	A <i>Wilton,</i>	18 M. H.
Ladd, Paul Revere	A <i>Las Cruces, N. Mex.,</i> 17	Cleaveland St.
Lane, David Alphonso, Jr.	A <i>Washington, D. C.,</i>	28 W. H.
Lane, Walter Huron (1916)	A <i>Portland,</i>	Bowdoin Club.
Langs, John William	A <i>Port Huron, Mich.,</i>	21 A. H.
Little, Noel Charlton	A <i>Brunswick,</i>	8 College St.
Lovejoy, Carroll Arthur	S <i>Woodfords,</i>	25 A. H.
McConaughy, Nathaniel Upham	A <i>New Dorp, N. Y.,</i>	3 M. H.
McIntire, Paul Hayes	A <i>Walnut Hill,</i>	19 A. H.
McNaughton, Kirk Alexander	S <i>Kaukauna, Wis.,</i>	6 M. H.
Maguire, Chester Corbin	S <i>Webster, Mass.,</i>	10 M. H.
Marston, Lawrence Howard	A <i>Wiscasset,</i>	31 W. H.
Martell, Judson Gordon	A <i>Somerville, Mass.,</i>	11 W. H.
Mason, Harry Edison	A <i>Cambridge, Mass.,</i>	4 W. H.
Milan, Harold Lewis	A <i>Bangor,</i>	26 W. H.
Miller, Harvey Daniel	A <i>Bangor,</i>	24 W. H.
Moran, Edward Carleton, Jr.	A <i>Rockland,</i>	26 M. H.
Morrill, Stewart Pingree (1916)	A <i>South Portland,</i>	Bowdoin Club.
Mullin, Charles Thomas	A <i>Ayer, Mass.,</i>	4 M. H.
Nickerson, Norman Hunt (1916)	A <i>Red Beach,</i>	Ψ. T. House.
Noyes, Frank Earle	A <i>Topsham,</i>	Topsham.
Nute, William Percy	A <i>Wiscasset,</i>	31 W. H.
Ogle, Gilbert Eugene	A <i>Terre Haute, Ind.,</i>	3 W. H.
Oliver, James Churchill	A <i>South Portland,</i>	4 A. H.
Olson, Gordon Wesley (1916)	A <i>W. Somerville, Mass.,</i>	K. Σ. House.
Olson, Wallace Bruce (1916)	A <i>W. Somerville, Mass.,</i>	K. Σ. House.

Bowdoin College

Name	Residence	Room
Owen, Henry Weston	A <i>Saco</i> ,	20 A. H.
Paine, William Earle	A <i>Hallowell</i> ,	28 M. H.
Parmenter, LeClare Fall	S <i>Woodfords</i> ,	16 M. H.
Pattee, Charles Walter	S <i>Plymouth, N. H.</i> ,	29 A. H.
Peacock, Deane Stanfield	A <i>Freeport</i> ,	27 W. H.
Pease, William Ray	S <i>Portland</i> ,	27 M. H.
Pettingill, Lee Duren (1916)	S <i>Lewiston</i> ,	Δ. T. House.
Philbrick, Donald Ward	A <i>Skowhegan</i> ,	Δ. K. E. House.
Phillips, Frank Edward	S <i>New Haven, Conn.</i> ,	17 A. H.
Piedra, Harry Tiburt	A <i>New York, N. Y.</i> ,	22 A. H.
Pierce, Dwight Wilson	A <i>Brunswick</i> ,	9 Lincoln St.
Pike, Carleton Maxwell	A <i>Lubec</i> ,	12 A. H.
Powers, Frederick Webster (1916)	A <i>Portland</i> ,	Z. Ψ. House.
Preston, John Fairbairn	A <i>Pawtucket, R. I.</i> ,	19 W. H.
Rickard, Forbes, Jr.	S <i>Denver, Colo.</i> ,	12 W. H.
Robie, John Waterman (1916)	A <i>Gorham</i> ,	A. Δ. Φ. House.
Robinson, Stuart Ingram	S <i>Worcester, Mass.</i> ,	5 W. H.
Rogers, Joseph Young	S <i>North Anson</i> ,	6 W. H.
Ross, Carl Knight	A <i>Portland</i> ,	20 M. H.
Sampson, Harold Howard	A <i>Dexter</i> ,	17 M. H.
Scott, Arthur Berton	A <i>Waldoboro</i> ,	29 W. H.
Seward, James	A <i>Exeter, N. H.</i> ,	7 A. H.
Shumway, Sherman Nelson	A <i>Skowhegan</i> ,	Δ. K. E. House.
Silverstein, Charles Lewis	S <i>Framingham, Mass.</i> ,	16 A. H.
Skolfield, Sydney Kenneth	A <i>Houlton</i> ,	4 W. H.
Spalding, Charles Parker	S <i>Lowell, Mass.</i> ,	28 A. H.
Stone, Kenneth George	A <i>Wellesley, Mass.</i> ,	21 A. H.
Stride, Joseph Burton	A <i>Biddeford</i> ,	20 A. H.
Swift, Raymond Whitney	A <i>Augusta</i> ,	11 A. H.
Taber, Thomas Henry (1916)	A <i>New Bedford, Mass.</i> ,	13 M. H.
Thayer, Ralph Bruce	M <i>Enfield, Mass.</i> ,	25 W. H.
True, Daniel Waterman	A <i>Portland</i> ,	8 W. H.
Tuttle, Joseph Walton, Jr.	A <i>Saxtonville, Mass.</i> ,	16 A. H.
Wallace, Henry William	A <i>Hopkinton, Mass.</i> ,	1 M. H.
Webber, Isaac Mervyn	S <i>Weeks Mills</i> ,	19 W. H.
White, Hal Saunders	A <i>Indianapolis, Ind.</i> ,	3 A. H.
Wight, Winfield Emmons	A <i>Milan, N. H.</i> ,	19 W. H.
Willey, Frederick William	A <i>Carmel</i> ,	29 W. H.
Woodworth, Paul Louis	A <i>Brunswick</i> ,	14 Franklin St.
Wyman, Charles Emerson, Jr. (1916)	M <i>Roxbury, Mass.</i> ,	Δ. K. E. House.
Yenetchi, Ivan Hyde (1916)	A <i>Scituate, Mass.</i> ,	Θ. Δ. X. House.
Young, Harold Seba	S <i>Auburn</i> ,	22 M. H.

Students

SPECIAL STUDENTS

Name	Residence	Room
Balfe, Edward Myles	<i>Dorchester, Mass.,</i>	Δ. K. E. House.
Creeden, Leo Francis	<i>Lewiston,</i>	17 W. H.
Fitzgerald, John Cogan	M <i>Bath,</i>	Bath.
Koibuchi, Mankichi	<i>Ibaraki Prefecture, Japan,</i>	256 Maine St.
Maroney, Frederick William	M <i>Springfield, Mass.,</i>	17 Cleaveland St.
Rawson, Frederick Payne	<i>West Townsend, Mass.,</i>	30 M. H.

Medical Students

FOURTH YEAR—Class of 1914

Name	Residence	Room
Bickmore, Harold Vincent, A.B.	<i>Augusta, Me.</i>	Eye and Ear Infirmary.
Buck, William Edgar	<i>Portland,</i>	281 Brackett St.
Cartland, John Everett, A.B.	<i>Lisbon Falls,</i>	11 Wescott St.
Faulkingham, Ralph James	<i>Waterville, Me.</i>	Eye and Ear Infirmary.
Fogg, Charles Eugene	<i>Portland,</i>	129 William St.
Gordon, Isaac Louis	<i>Lincoln,</i>	56 Pine St.
Hanson, Millard Parker	<i>Bath,</i>	881 Congress St.
Johnson, George Harold	<i>Augusta,</i>	849 Congress St.
Miller, Hudson Russell	<i>Lewiston,</i>	11 Wescott St.
Moulton, John Henry, A.B.	<i>Limington,</i>	19 Hill St.
Perkins, Roy Stanley	<i>Madbury, N. H.,</i>	11 Deering Ave.
Peters, Clinton Noyes, A.B.	<i>Portland,</i>	97 Lincoln St.
Regan, Edward Francis	<i>Marlboro, Mass.,</i>	87 Carleton St.
Robinson, Harrison Leonard, A.B.	<i>Bangor,</i>	87 Carleton St.
Scribner, Herbert Charles	<i>Bangor,</i>	11 Wescott St.
Skillin, Waldo Thompson, A.B.	<i>Hallowell,</i>	87 Carleton St.
Sturtevant, James Melvin, A.B.	<i>Dixfield,</i>	St. Barnabas Hospital.
Weeks, DeForest, A.B.	<i>Cornish,</i>	87 Carleton St.
Williams, James Albert, A.B.	<i>Topsham,</i>	335 Brackett St.

THIRD YEAR—Class of 1915

Name	Residence	Room
Anderson, William DeLue	<i>Portland,</i>	25 Dow St.
Blaisdell, Elton Randolph	<i>Brunswick,</i>	56 Pine St.
Collins, Frank Laforest	<i>Oakland,</i>	11 Deering Ave.
Dennett, Carl George	<i>Saco,</i>	3 Tolman Pl.

Bowdoin College

Name	Residence	Room
Echols, Francis Sherman	<i>Hartford, Conn.,</i>	849 Congress St.
Gray, Carl Dinsmore	<i>Madison,</i>	294 Brackett St.
Hale, Herbert Francis, A.B.	<i>New Sharon,</i>	59 Bramhall St.
Hamilton, Holland George	<i>Brunswick,</i>	756 Congress St.
Hutchins, Eugene Leslie	<i>No. New Portland,</i>	56 Pine St.
Johnson, Linwood Hill	<i>Portland,</i>	80 Vesper St.
Kinghorn, Charles Wesley	<i>Yarmouthville,</i>	Yarmouthville.
Lombard, Herbert Luther, A.B.	<i>Bridgton,</i>	59 Bramhall St.
McFarland, Lawrence, A.B.	<i>Woodfords,</i>	32 Brentwood St.
Mansfield, Burleigh Burton	<i>South Hope,</i>	279 Brackett St.
Morrill, Berton Charles	<i>Augusta,</i>	756 Congress St.
Nutter, Ralph Willis	<i>Alfred,</i>	279 Brackett St.
O'Connor, William John	<i>Augusta,</i>	11 Wescott St.
Oram, Julius Calvin, A.B.	<i>Bristol,</i>	46 Spruce St.
Parcher, Arthur Hale, A.B.	<i>Ellsworth,</i>	11 Wescott St.
Pillsbury, Nahum Roy	<i>Biddeford,</i>	294 Brackett St.
Pletts, Robert Cole	<i>Brunswick,</i>	24 Thomas St.
Smith, Frank Arthur, A.B.	<i>Calais</i>	65 India St.
Tibbetts, George Alton, A.B.	<i>Brunswick,</i>	24 Thomas St.
Woodcock, Allan, A.B.	<i>Bangor,</i>	61 India St.

SECOND YEAR—Class of 1916

Clark, Raymond Willis	<i>Franklin,</i>	30 Cumberland St.
Cummings, George Otis, A.B.	<i>Portland,</i>	234 Maine St.
Fernald, Clarence Joel, A.B.	<i>Hebron,</i>	1 High St.
Grant, Alton Levicount, Jr., A.B.	<i>Lewiston,</i>	234 Maine St.
Holmes, Percy Kendall, A.M.	<i>East Stroudsburg, Penn.,</i>	76 Harpswell St.
Kupelian, Nessib Simon, A.B., B.D.	<i>Tarsus, Turkey,</i>	46 Union St.
Levenworth, William Satterlee	<i>Jewett City, Conn.,</i>	30 Cumberland, St.
Moulton, Bryant Edward, A.B.	<i>Portland,</i>	10 A. H.
Richardson, Clyde Earle, A.B.	<i>Brunswick,</i>	9 McLellan St.
Twaddle, Gard Wilson	<i>Bethel,</i>	46 Union St.

FIRST YEAR—Class of 1917

Name	Residence	Room
Baker, Clarence, B.P.E.	<i>Colo, Iowa,</i>	76 Harpswell St.
Brewster, Hugh Maynard, Ph.C.	<i>Dexter,</i>	25 School St.
Carter, Loren Frank	<i>Bradley,</i>	16 Lincoln St.
Dixon, Henry Campbell	<i>Moosup, Conn.,</i>	15 W. H.

Students

Name	Residence	Room
Haywood, Ralph Winson	<i>Salem, Mass.,</i>	269 Maine St.
Howes, Herbert Martin, A. B.	<i>Brunswick,</i>	12 Middle St.
Hubbard, Roswell Earle	<i>Hatfield, Mass.,</i>	15 W. H.
Josselyn, Royce Brewster, Ph.C.	<i>So. Hanson, Mass.,</i>	13 Lincoln St.
Knapp, Frank Norris	<i>East Livermore,</i>	269 Maine St.
Makepeace, True Edgecomb, A. B.	<i>Farmington,</i>	25 School St.
Mathews, Floyd Osborn	<i>St. Albans,</i>	13 Lincoln St.
Morris, Robert, A. B.	<i>Brunswick,</i>	42 Harpswell St.
Sleeper, Frank Eugene, Jr., A. B.	<i>Sabattus,</i>	Sabattus.

Bowdoin College

Summary of Instructors and Students

INSTRUCTORS

ACADEMICAL FACULTY	28
MEDICAL FACULTY	65
TOTAL	93
NAMES COUNTED TWICE	7
CORRECTED TOTAL	86

STUDENTS

Academical Department

SENIORS	61
JUNIORS	69
SOPHOMORES	88
FRESHMEN; FIRST YEAR	113
FRESHMEN; SECOND YEAR	21
SPECIAL STUDENTS	6
TOTAL	358

Medical School

FOURTH YEAR	19
THIRD YEAR	24
SECOND YEAR	10
FIRST YEAR	13
TOTAL	66
TOTAL IN THE INSTITUTION	424
NAMES COUNTED TWICE	2
CORRECTED TOTAL	422

Appointments and Awards

HONORARY COMMENCEMENT APPOINTMENTS

Class of 1913

Summa Cum Laude

Laurence Alden Crosby

Magna Cum Laude

Sumner Tucker Pike

Alfred Henry Sweet

Cum Laude

John Coleman Carr

James Augustus Norton

Willis Elden Dodge

Clifton Orville Page

Paul Howard Douglas

Albert Elisha Parkhurst

Leon Everett Jones

Earl Blanchard Tuttle

Douglas Howard McMurtrie

Fred Dixon Wish, Jr.

PHI BETA KAPPA APPOINTMENTS

Class of 1913

Edward Oliver Baker

Douglas Howard McMurtrie

Laurence Alden Crosby

James Augustus Norton

Willis Elden Dodge

Clifton Orville Page

Paul Howard Douglas

Sumner Tucker Pike

Leon Everett Jones

Earl Blanchard Tuttle

Class of 1914

Alfred Everett Gray

Richard Earl Simpson

Maurice Wingate Hamblen

Neal Tuttle

Robert Devore Leigh

Bowdoin College

CLASS OF 1868 PRIZE SPEAKING

Edward Oliver Baker	Paul Howard Douglas
Laurence Alden Crosby	Alfred Henry Sweet
Cedric Russell Crowell	Fred Dixon Wish, Jr.

BRADBURY PRIZE DEBATES

Affirmative

Negative

Alfred Henry Sweet, 1913	Paul Hamilton Emery, 1913
Fred Dixon Wish, Jr., 1913	Elwyn Collins Gage, 1914
Robert Peter Coffin, 1915	George William Bacon, 1915
Chester Granville Abbott, 1913	James Augustus Norton, 1913
Laurence Alden Crosby, 1913	Richard Earl Simpson, 1914
Paul Howard Douglas, 1913	George Henry Talbot, 1915

ALEXANDER PRIZE SPEAKING

George Franklin Eaton, 1914	Kenneth Elmer Ramsay, 1915
Robert Devore Leigh, 1914	Don Jerome Edwards, 1916
George William Bacon, 1915	Herbert Henry Foster, 1916
George Albert Hall, Jr., 1915	Richard Stearns Fuller, 1916
George Arthur McWilliams, 1915	

HONOR MEN

Class of 1911

Edward Eugene Kern,	<i>Rhodes Scholar.</i>
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Class of 1913

Chester Granville Abbott,	<i>Bradbury Debating Prize, 1st.</i>
Laurence Alden Crosby,	<i>Bradbury Debating Prize, 1st.</i>
	<i>Class of 1875 Prize in American History.</i>
	<i>Intercollegiate Debating Medal.</i>
	<i>Rhodes Scholar.</i>

Appointments and Awards

Willis Elden Dodge,	<i>Sewall Greek Prize.</i>
Paul Howard Douglas,	<i>Bradbury Debating Prize, 1st.</i>
	<i>Charles Carroll Everett Scholar.</i>
	<i>Hiland Lockwood Fairbanks Prize.</i>
	<i>Intercollegiate Debating Medal.</i>
Leon Everett Jones,	<i>Pray English Prize.</i>
Douglas Howard McMurtrie,	<i>Smyth Mathematical Prize.</i>
James Augustus Norton,	<i>Brown Composition Prize, 2d.</i>
	<i>Intercollegiate Debating Medal.</i>
	<i>Philo Sherman Bennett Prize.</i>
Sumner Tucker Pike,	<i>Noyes Political Economy Prize.</i>
Alfred Henry Sweet,	<i>Bradbury Debating Prize, 2d.</i>
	<i>Brown Composition Prize, 1st.</i>
	<i>Class of 1868 Prize.</i>
	<i>Goodwin Commencement Prize.</i>
	<i>Henry W. Longfellow Scholar.</i>
	<i>Intercollegiate Debating Medal.</i>
Fred Dixon Wish, Jr.,	<i>Bradbury Debating Prize, 2d.</i>
	<i>Brown Memorial Scholar.</i>
	<i>Hiland Lockwood Fairbanks Prize.</i>
	<i>Intercollegiate Debating Medal.</i>

Class of 1914

Elwyn Collins Gage,	<i>Intercollegiate Debating Medal.</i>
Robert Devore Leigh,	<i>Almon Goodwin Prize.</i>
Joseph Schiwey,	<i>Smyth Mathematical Prize.</i>
Richard Earl Simpson,	<i>Brown Memorial Scholar.</i>

Class of 1915

George William Bacon,	<i>Intercollegiate Debating Medal.</i>
Robert Peter Coffin,	<i>Bradbury Debating Prize, 2d.</i>
	<i>Hawthorne Prize.</i>
	<i>Sewall Latin Prize.</i>
John Ralph Hamel,	<i>Brown Memorial Scholar.</i>
Austin Harbutt MacCormick,	<i>Smyth Mathematical Prize.</i>

Bowdoin College

Kenneth Elmer Ramsay,	<i>Alexander Speaking Prize, 1st.</i>
George Henry Talbot,	<i>Intercollegiate Debating Medal.</i>

Class of 1916

Don Jerome Edwards,	<i>Alexander Speaking Prize, 2d.</i>
	<i>Hiland Lockwood Fairbanks Prize.</i>
Richard Stearns Fuller,	<i>Hiland Lockwood Fairbanks Prize.</i>
Abraham Seth Shwartz,	<i>Brown Memorial Scholar.</i>
Henry Sanborn Thomas,	<i>David Sewall Premium.</i>

Degrees Conferred in 1913

BACHELOR OF ARTS

Abbott, Chester Granville	Dodge, Leon
Abbott, Howard Clement	Dodge, Willis Elden
Baker, Edward Oliver	Dole, Stanley Fuller
Belknap, Robert Willis	Douglas, Paul Howard
Brown, Josiah Steele	Dunphy, John Edward
Buck, Percy Clarence	Eberhardt, Walter Faber
Bull, Charles Roy	Emery, Paul Hamilton
Burleigh, Edwin Clarence	Emery, Theodore Evans
Busfield, Manning Hapgood	Fernald, Clarence Joel (as of the Class of 1907)
Carr, John Coleman	Fisher, Ransom Edgar (as of the Class of 1910)
Colby, Rensel Harold	Fogg, Neil Augustus
Comery, Sanford Burton	Fuller, Edwin Johnson
Conant, Reginald Odell	Gardner, Daniel Earl
Cowan, Frank Irving	Gilbert, Harold Davis
Craig, Vurnyer Adrian	Greene, Winthrop Stephenson
Crosby, Laurence Alden	Hagan, Mark Langdon
Crowell, Cedric Russell	Hagar, Raymond Kingsley
Cummings, George Otis	Hall, Harry Howes
Cushman, Albert Percival	
Daniels, Theodore William	

Degrees Conferred in 1913

Haskell, Charles Blanchard, Jr.	Pratt, Loring (as of the Class of 1912)
Hatch, Charles Alfred	Rowe, Henry
Hinch, Stanley John	Saunders, Daniel
Holt, Benjamin Dyer	Savage, Paul Chapman
Howes, Herbert Martin	Shackford, Lester Borden
Johnson, Alfred Wellington (sa of the Class of 1911)	Skolfield, George Lincoln, Jr.
Jones, Leon Everett	Slocum, John Albert
Kennedy, Raymond Davenport	Smith, Lawrence Willey
Leavitt, Verd Russell	Spinney, William Riley
Lippincott, Wilmot Clyde	Sweet, Alfred Henry
Lunt, Paul Cammett	Tibbetts, George Alton (as of the Class of 1912)
McMahon, William Benedict	Tilton, Albert Dyer
McMurtrie, Douglas Howard	Tufts, Elmer Emmons, Jr.
McNeally, Eugene Wallace	Tuttle, Curtis
Miller, Harold William	Tuttle, Earl Blanchard
Morris, Robert	Twombly, William Fletcher
Moulton, Bryant Edward	Walker, Harry Burton
Nixon, William Joseph	Whittier, Luther Gordon
Norton, James Augustus	Wiggin, Frederic Shaw
Page, Clifton Orville	Wilson, George Frank (as of the Class of 1912)
Palmer, Ray Eaton	Wish, Fred Dixon, Jr.
Parkhurst, Albert Elisha	Wood, Philip Shaw
Philoon, James Everett	
Pike, Sumner Tucker	

DOCTOR OF MEDICINE

Arey, Harold Carleton, A.B.	Moulton, Albert Willis, A.B.
Coombs, Wyvern Almon	Roberts, Edward Russell
Gould, Carlisle Royal	Ross, Harold Danforth
Hanscom, Ridgeley Fernald	Sullivan, Philip Sheridan
King, Elmer Henry, A.B.	Trickey, Winfield Benjamin
Lippincott, Leon Stanley, A.B.	Walker, Francis David
McNeil, Harry Daniel	

Bowdoin College

Honorary Degrees

MASTER OF ARTS

Cyrus Hermann Kotzschmar Curtis

DOCTOR OF SCIENCE

Alfred Edgar Burton (1878)

DOCTOR OF DIVINITY

John Hastings Quint (1897)

DOCTOR OF LAWS

William Widgery Thomas (1860) William John Curtis (1875)

BOWDOIN COLLEGE

FACULTY

WILLIAM DEWITT HYDE, D.D., LL.D., *PRESIDENT and Professor of Mental and Moral Philosophy.*

HENRY JOHNSON, PH.D., *Professor of Modern Languages.*

FRANK EDWARD WOODRUFF, A.M., *Professor of Greek.*

GEORGE THOMAS LITTLE, LITT.D., *Librarian.*

WILLIAM ALBION MOODY, A.M., *Professor of Mathematics.*

CHARLES CLIFFORD HUTCHINS, A.M., *Professor of Physics.*

FRANK NATHANIEL WHITTIER, A.M., M.D., *Professor of Hygiene and Physical Training.*

GEORGE TAYLOR FILES, PH.D., *Professor of Germanic Languages.*

WILMOT BROOKINGS MITCHELL, A.M., *Professor of Rhetoric and Oratory.* [On leave of absence, first semester.]

CHARLES THEODORE BURNETT, PH.D., *Professor of Psychology.*

ROSCOE JAMES HAM, A.M., *Professor of German.*

[FREDERIC WILLIS BROWN, PH.D., *Professor of Modern Languages.* On leave of absence.]

KENNETH CHARLES MORTON SILLS, A.M., *DEAN and Professor of Latin.*

HERBERT CLIFFORD BELL, PH.D., *Professor of History and Political Science.*

WARREN BENJAMIN CATLIN, A.B., *Professor of Economics and Sociology.*

MANTON COPELAND, PH.D., *Professor of Biology.*

MARSHALL PERLEY CRAM, PH.D., *Professor of Chemistry and Mineralogy.*

Bowdoin College

GEORGE ROY ELLIOTT, PH.D., *Professor of English Literature.*

ORREN CHALMER HORMELL, A.M., *Professor of History and Government.*

PAUL NIXON, A.M., *Professor of Classics and History.*

WILLIAM HAWLEY DAVIS, A.M., *Professor of English and Public Speaking.*

JAMES LUKENS MCCONAUGHY, PH.D., *Professor of Education and English and Secretary of the Christian Association.*

GERALD GARDNER WILDER, A.B., *Clerk and Assistant Librarian.*

HENRY BISSELL ALVORD, B.S., *Assistant Professor of Surveying, Mechanical Drawing and Astronomy.*

ALFRED OTTO GROSS, PH.D., *Assistant Professor of Biology.*

NATHANIEL EDWARD LOOMIS, PH.D., *Assistant Professor of Chemistry.*

EDWARD HAMES WASS, *Instructor in Music and Organist.*

ALEXANDER FREDERICK BRUCE CLARK, A.M., *Instructor in Modern Languages.*

LEE DUDLEY McCLEAN, A.M., *Instructor in Economics and Sociology.*

Committees of the Faculty

ADMINISTRATIVE.—The President, *Chairman*; The Dean, Professors Whittier, Mitchell and Hormell.

ATHLETICS.—Professor Whittier, *Chairman*; Professors Hutchins and Copeland.

CATALOGUE.—Mr. Wilder, *Chairman*; The Dean and Professor Ham.

CURRICULUM.—Professor Burnett, *Chairman*; Professors Brown and Copeland.

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EXAMINING.—The Dean, *Chairman*; Professors Moody, Mitchell, Ham and Hormell.

LIBRARY.—Dr. Little, *Chairman*; Professors Johnson, Bell, Catlin and Elliott.

MUSIC.—Mr. Wass, *Chairman*; Professors Woodruff and Burnett.

PREPARATORY SCHOOLS.—Professor Mitchell, *Chairman*; Professors Nixon, Hormell and McConaughy.

PUBLIC EXERCISES.—Professor Johnson, *Chairman*; Professor Cram and Mr. Wilder.

RECORDING.—The Dean, *Chairman*; Professors Woodruff, Moody and McConaughy.

STUDENT AID.—The President, *Chairman*; Professors Whittier, Files and Nixon.

ADMISSION TO THE COLLEGE

Subjects in which Examinations are held

Candidates for admission to the Freshman Class are examined in the following subjects:

CHEMISTRY

The ground covered should be that included in any good first year text-book, such as Remsen's, Newell's, Newth's or Brownlee's. Candidates for examination must present note-books, certified by their instructors, in which are the results of their experiments and full notes of processes. They will be expected to answer in clear English, questions upon the fundamental chemical laws, and the preparation, properties, and uses of common chemical substances, and to solve simple arithmetical examples based upon chemical reactions.

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ENGLISH

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) power to read with intelligence and appreciation.

To secure the first end, training in grammar and the simpler principles of rhetoric, and the writing of frequent compositions are essential. The candidate must be able to spell, capitalize, and punctuate correctly. He must show a practical knowledge of the essentials of English grammar, including ordinary grammatical terminology, inflections, syntax, the use of phrases and clauses; a thorough training in the construction of the sentence; and familiarity with the simpler principles governing paragraphs and different kinds of whole compositions, including letter-writing.

To secure the second end, the candidate is required to read the works named below. The list is intended to give the candidate the opportunity of reading, under intelligent direction, a number of important pieces of literature.

Reading and Practice.—The candidate should read the books prescribed below with a view to understanding and enjoying them. He will be required to present evidence of a general knowledge of their subject-matter, and to answer simple questions on the lives of their authors. To test the candidate's command of clear and accurate English, he will be required to write brief compositions upon one or more topics drawn from the assigned readings. The candidate will also be required to write upon one or more subjects of ordinary experience or knowledge, not taken from the prescribed books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

For the class entering in 1914, the books provided for Reading and Practice are arranged in the following groups, from which ten units—each unit is set off by semicolons—are to be

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selected, two from each group except that Group 1 may be wholly omitted.

GROUP 1. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; the Iliad, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI; Virgil's Aeneid. The Odyssey, Iliad, and Aeneid should be read in English translations of recognized literary excellence. For any unit of this group a unit from any other group may be substituted.

GROUP 2. Shakespeare's *The Merchant of Venice*; *Mid-summer Night's Dream*; *As You Like It*; *Twelfth Night*; *Henry the Fifth*; *Julius Caesar*.

GROUP 3. Defoe's *Robinson Crusoe*, Part I; Goldsmith's *Vicar of Wakefield*; either Scott's *Ivanhoe*, or Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*; either Dickens's *David Copperfield*, or Dickens's *A Tale of Two Cities*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; George Eliot's *Silas Marner*; Stevenson's *Treasure Island*.

GROUP 4. Bunyan's *The Pilgrim's Progress*, Part I; The Sir Roger de Coverly Papers in the *Spectator*; Franklin's *Autobiography* (condensed); Irving's *Sketch Book*, Macaulay's *Essays on Lord Clive and Warren Hastings*, Thackeray's *English Humorists*; Selections from Lincoln, including at least the two Inaugurals, the speeches in Independence Hall and at Gettysburg, the Last Public Address, and the Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's *Oregon Trail*; either Thoreau's *Walden*, or Huxley's *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*; Stevenson's *Inland Voyage and Travels with a Donkey*.

GROUP 5. Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Gray's *Elegy in a Country Churchyard* and

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Goldsmith's *The Deserted Village*; Coleridge's *Ancient Mariner* and Lowell's *Vision of Sir Launfal*; Scott's *The Lady of the Lake*; Byron's *Childe Harold*, Canto IV, and *Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), Book IV, with especial attention to Wordsworth, Keats and Shelley; Poe's *Raven*, Longfellow's *Courtship of Miles Standish*, and Whittier's *Snow Bound*; Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*.

For classes entering in 1915, 1916, 1917, 1918 and 1919, the books provided for Reading and Practice are arranged in the following groups, from each of which at least two selections are to be made, except as otherwise provided under Group 1:—

GROUP 1. CLASSICS IN TRANSLATION.—The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the *Odyssey*, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; the *Iliad*, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI; the *Aeneid*. The *Odyssey*, *Iliad*, and *Aeneid* should be read in English translations of recognized literary excellence.

For any selection from this group a selection from any other group may be substituted.

GROUP 2. SHAKESPEARE.—*Midsummer Night's Dream*; *Merchant of Venice*; *As You Like It*; *Twelfth Night*; *The Tempest*; *Romeo and Juliet*; *King John*; *Richard II*; *Richard III*; *Henry V*; *Coriolanus*; *Julius Caesar**; *Macbeth**; *Hamlet**.

GROUP 3. PROSE FICTION.—Malory's *Morte d'Arthur* (about 100 pages); Bunyan's *Pilgrim's Progress*, Part I; Swift's *Gulli-*

*If not chosen under Study and Practice.

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ver's Travels (voyages to Lilliput and to Brobdingnag); Defoe's Robinson Crusoe, Part I; Goldsmith's Vicar of Wakefield; Frances Burney's Evelina; Scott's Novels (any one); Jane Austen's Novels (any one); Maria Edgeworth's Castle Rackrent, or The Absentee; Dickens's Novels (any one); Thackeray's Novels (any one); George Eliot's Novels (any one); Mrs. Gaskell's Cranford; Kingsley's Westward Ho! or Hereward, the Wake; Reade's The Cloister and the Hearth; Blackmore's Lorna Doone; Hughes's Tom Brown's School-days; Stevenson's Treasure Island, or Kidnapped, or Master of Ballantrae; Cooper's Novels (any one); Poe's Selected Tales; Hawthorne's The House of the Seven Gables, or Twice-Told Tales, or Mosses from an Old Manse; a collection of Short Stories by various standard writers.

GROUP 4. ESSAYS, BIOGRAPHY, ETC.—Addison and Steele's The Sir Roger de Coverley Papers, or Selections from the *Tatler* and *Spectator* (about 200 pages); Boswell's Selections from the Life of Johnson (about 200 pages); Franklin's Autobiography; Irving's Sketch Book (about 200 pages), or Life of Goldsmith; Southey's Life of Nelson; Lamb's Essays of Elia (about 100 pages); Lockhart's Life of Scott (about 200 pages); Thackeray's Lectures on Swift, Addison, and Steele in the English Humorists; Macaulay's Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay (any one); Trevelyan's Life of Macaulay (about 200 pages); Ruskin's Sesame and Lilies, or Selections (about 150 pages); Dana's Two Years Before the Mast; Selections from Lincoln, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and the Letter to Horace Greeley, together with a brief memoir or estimate; Parkman's The Oregon Trail; Thoreau's Walden; Lowell's Selected Essays (about 150 pages); Holmes's The Autocrat of the Breakfast Table; Stevenson's An Inland Voyage, and Travels with a Donkey; Huxley's Autobiography, and selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; a collection

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of Essays by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; a collection of Letters by various standard writers.

GROUP 5. POETRY.—Palgrave's Golden Treasury (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave's Golden Treasury (First Series), Book IV, with especial attention to Wordsworth, Keats, and Shelley (if not chosen under Study and Practice); Goldsmith's *The Traveller*, and *The Deserted Village*; Pope's *The Rape of the Lock*; a collection of English and Scottish Ballads, as, for example, some Robin Hood ballads, *The Battle of Otterburn*, *King Estmere*, *Young Beichan*, *Bewick and Graham*, *Sir Patrick Spens*, and a selection from later ballads; Coleridge's *The Ancient Mariner*, *Christabel*, and *Kubla Khan*; Byron's *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*; Scott's *The Lady of the Lake*, or *Marmion*; Macaulay's *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*; Tennyson's *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "*De Gustibus*"—, *Instans Tyrannus*; Arnold's *Sohrab and Rustum*, and *The Forsaken Merman*; Selections from American Poetry, with especial attention to Poe, Lowell, Longfellow, and Whittier.

Study and Practice.—The candidate should read the books prescribed below with the view of acquiring such knowledge of their contents as will enable him to answer specific questions with accuracy and some detail. The examination is not designed, however, to require minute drill in difficulties of verbal expressions, unimportant allusions and technical details.

For 1914.—Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; either Burke's *Speech on Conciliation with America*, or both Washington's *Farewell Address* and

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Webster's First Bunker Hill Oration; either Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

For 1915, 1916, 1917, 1918 and 1919, the books provided for Study and Practice are arranged in four groups, from each of which one selection is to be made.

GROUP 1. DRAMA.—Shakespeare's Julius Caesar, Macbeth, Hamlet.

GROUP 2. POETRY.—Milton's L'Allegro, Il Penseroso, and either Comus or Lycidas; Tennyson's The Coming of Arthur, The Holy Grail, and The Passing of Arthur; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's Golden Treasury (First Series).

GROUP 3. ORATORY.—Burke's Speech on Conciliation with America; Macaulay's Two Speeches on Copyright, and Lincoln's Speech at Cooper Union; Washington's Farewell Address, and Webster's First Bunker Hill Oration.

GROUP 4. ESSAYS.—Carlyle's Essay on Burns, with a selection from Burns's Poems; Macaulay's Life of Johnson; Emerson's Essay on Manners.

The examination will be divided into two parts, one of which may be taken as a preliminary, the other as a final. The first part of the examination will be upon the books required for Reading and Practice and may include questions upon grammar and the simpler principles of rhetoric. The second part of the examination will test the candidate's knowledge of the books required for Study and Practice, also his ability to develop a theme through several paragraphs. Subjects will be drawn from books required for Study and Practice, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading.

FRENCH

The admission requirements in elementary and advanced French are those recommended by the Modern Language Association of America.

I. ELEMENTARY FRENCH. The first year's work should com-

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prise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and more common irregular verbs, the plural of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; order of words in the sentence, and elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in memory the forms and principles of grammar, but also to cultivate readiness in reproducing natural forms of expression; (4) the reading of 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

The second year's work should comprise: (1) the reading of 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographic sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and subjunctive.

Suitable texts for the second year are: About, *Le roi des montagnes*; Bruno, *Le tour de la France*; Daudet's easier short tales; De la Bédollière, *La Mère Michel et son chat*; Erckmann-Chatrian's stories; Foa, *Contes biographiques* and *Le petit Robinson de Paris*; Foncin, *Le pays de France*; Labiche and Martin, *La poudre aux yeux* and *Le voyage de M. Perrichon*; Legouv   and Labiche, *La cigale chez les fourmis*; Malot, *Sans famille*; Mair  t, *La t  che du petit Pierre*; M  rim  e, *Colomba*; extracts from Michelet; Sarcy, *Le si  ge de Paris*; Verne's stories.

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II. ADVANCED FRENCH. This should comprise the reading of 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories; Augier and Sandeau, *Le gendre de M. Poirier*; Béranger's poems; Corneille, *Le Cid* and *Horace*; Coppée's poems; Daudet, *La belle Nivernaise*; La Brète, *Mon oncle et mon curé*; Madame de Sévigné's letters; Hugo, *Hernani* and *La chute*; Labiche's plays; Loit, *Pêcheur d'Islande*; Mignet's historical writings; Molière, *L'avare* and *Le bourgeois gentilhomme*; Racine, *Athalie*, *Andromaque*, and *Esther*; George Sand's plays and stories; Sandeau, *Mademoiselle de la Seiglière*; Scribe's plays; Thierry, *Récits des temps mérovingiens*; Thiers, *L'expédition de Bonaparte en Egypte*; Vigny, *La canne de jonc*; Voltaire's historical writings.

Candidates offering either Elementary or Advanced French are expected to be familiar with the alphabet of the Association Phonétique Internationale.

GERMAN

The admission requirements in elementary and advanced German are those recommended by the Modern Language Association of America.

I. ELEMENTARY GERMAN. The first year's work should comprise: (1) careful drill upon pronunciation; (2) memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs, also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in reproducing nat-

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ural forms of expression; (5) the reading of 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in reproducing from memory sentences previously read.

The second year's work should comprise: (1) the reading of 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in translating into German easy variations upon the matter read, also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of grammar, directed to the end of enabling the pupil, first, to use his knowledge with facility in forming sentences, and secondly, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen, *Märchen* and *Bilderbuch ohne Bilder*; Arnold, *Fritz auf Ferien*; Baumbach, *Die Nonna* and *Der Schwiegersohn*; Gerstäcker, *Germelshausen*; Heyse, *L'Arrabbiata*, *Das Mädchen von Treppi*, and *Anfang und Ende*; Hillern, *Höher als die Kirche*; Jensen, *die braune Erica*; Leander, *Träumereien* and *Kleine Geschichten*; Seidel, *Märchen*; Stökl, *Unter dem Christbaum*; Storm, *Immensee* and *Geschichten aus der Tonne*; Zschokke, *Der zerbrochene Krug*.

The best shorter plays available are: Benedix, *Der Prozess*, *Der Weiberfeind*, and *Günstige Vorzeichen*; Elz, *Er ist nicht eifersüchtig*; Wichert, *An der Majorsecke*; Wilhelmi, *Einer muss heiraten*. Only one of these plays need be read, and the narrative style should predominate. A good selection of reading matter for the second year would be Andersen, *Märchen*, or *Bilderbuch*, or Leander, *Träumereien*, to the extent of about forty pages. Afterward, such a story as *Das kalte Herz*, or *Der zerbrochene Krug*; then *Höher als die Kirche*, or *Immensee*; next a good story by Heyse, Baumbach, or Seidel; lastly *Der Prozess*.

II. ADVANCED GERMAN. The work should comprise, in addi-

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tion to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with especial reference to the infinitive and subjunctive), and likewise upon word order and word formation.

Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach, *Die Freiherren von Gemperlein*; Freytag, *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*, for example *Karl der Grosse*, *Aus den Kreuzzügen*, *Doktor Luther*, *Aus dem Staat Friedrichs des Grossen*; Fouqué, *Undine*; Gerstäcker, *Irrfahrten*; Goethe, *Hermann und Dorothea* and *Iphigenie*; Heine's poems and *Reisebilder*; Hoffman, *Historische Erzählungen*; Lessing, *Minna von Barnhelm*; Meyer, *Gustav Adolfs Page*; Moser, *Der Bibliothekar*; Riehl, *Novellen*, for example *Burg Neideck*, *Der Fluch der Schönheit*, *Der stumme Ratsherr*, *Das Spielmannskind*; Rosegger, *Waldheimat*; Schiller, *Der Neffe als Onkel*, *Der Geisterscher*, *Wilhelm Tell*, *Die Jungfrau von Orleans*, *Das Lied von der Glocke*, *Balladen*; Scheffel, *Der Trompeter von Säckingen*; Uhland's poems; Wildenbruch, *Das edle Blut*. A good selection would be: (1) one of Riehl's novelettes; (2) one of Freytag's "pictures;" (3) part of *Undine* or *Der Geisterscher*; (4) a short course of reading in lyrics and ballads; (5) a classical play by Schiller, Lessing, or Goethe.

GREEK

The examinations, except as stated in I (2), will be directed to testing the candidate's knowledge of Greek and his ability to read and understand the language rather than his knowledge of special works which he has studied. It is believed that a course of three years with five exercises a week, covering four books of the *Anabasis* or their equivalent in Attic prose and 2000

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verses of Homer, together with practice in prose composition and sight reading, will give the required proficiency.

I. ELEMENTARY GREEK. The examination will be adapted to the proficiency of those who, in addition to the course defined as suitable preparation for the examination in Elementary Latin, have studied Greek in a systematic course of five exercises a week, extending through at least *two* school years. It will consist of two parts:

(1) The translation at sight of passages of simple Attic prose.

(2) A thorough examination on Xenophon's *Anabasis*, Book II, directed to testing the candidate's mastery of the ordinary forms, constructions and idioms of the language; the test to consist, in part, of writing simple Attic prose, involving the use of such words, constructions and idioms only as occur in the portion of Xenophon prescribed.

II. ADVANCED GREEK. This examination, *which must be preceded by the examination in Elementary Greek*, will be adapted to the proficiency of those who, in addition to the course defined as a suitable preparation for the examination in Advanced Latin, have studied Greek in a systematic course of five exercises a week, extending through at least *three* school years. It will consist of two parts:

(1) The translation at sight of passages of Attic prose and of Homer, with questions on ordinary forms, constructions and idioms, and on prosody.

(2) The translation into Attic prose of a passage of connected English narrative. The passage set for translation will be based on some portion of the Greek prose works usually read in preparation for college, and will be limited to the subject-matter of those works.

HISTORY (INCLUDING HISTORICAL GEOGRAPHY)

The examinations in history will call for comparisons of historical characters and periods, for summaries of institutional development, and in general for exercise of judgment as well as memory. A knowledge of historical geography, which will be

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tested by an outline map, is essential. The amount of collateral reading which has been done by the student will be taken into consideration. In general, all schools are urged to take steps to make their courses conform as far as possible to the recommendations of the Committee of Seven.

I. GREEK HISTORY. To the death of Alexander, with due reference to Greek life, literature, and art.

II. ROMAN HISTORY. To 800 A. D., with due reference to government and institutions.

III. ENGLISH HISTORY. With special reference to social and political development.

IV. AMERICAN HISTORY. With special attention to the development of institutions and principles of civil government.

LATIN

I. AMOUNT AND RANGE OF THE READING REQUIRED

1. The Latin reading required of candidates, without regard to the prescription of particular authors and works, shall be not less *in amount* than Caesar, Gallic War, I-IV; Cicero, the speeches against Catiline, for the Manilian Law, and for Archias; and Virgil, Aeneid, I-VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Caesar (Gallic War and Civil War) and Nepos (Lives); Cicero (speeches, letters and De Senectute) and Sallust (Catiline and Jugurthine War); and Virgil (Bucolics, Georgics and Aeneid), and Ovid (Metamorphoses, Fasti and Tristia).

II. SUBJECTS AND SCOPE OF THE EXAMINATIONS

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, Speeches for the Manilian Law and for Archias, and Virgil, Aeneid, I-II, and either IV or VI at the option of the candidate, with questions on sub-

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ject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight, and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

At Bowdoin College the grouping of subjects is as follows:

I. **ELEMENTARY LATIN.** The examination will be adapted to the proficiency of those who have studied Latin in a systematic course of five exercises a week, extending through at least *three* school years. The reading shall be not less in amount than Caesar, Gallic War, I-IV; and Cicero, the speeches against Catiline, for the Manilian Law, and for Archias. With the exception of the last two speeches, which are required, it may be selected from the authors specified in I, 2 above.

The examination will cover Cicero's speeches for the Manilian Law and Archias, sight translation of prose, grammar, and the translation into Latin prose of a passage, for which the words, constructions and range of ideas will be such as are common in the reading of the three years' course.

NOTE.—An examination on Grammar, Caesar, and the writing of simple Latin prose will be given to candidates for the degree of B.S. who offer two years of Latin.

II. **ADVANCED LATIN.** This examination, *which must be preceded by the examination in elementary Latin*, will be adapted to the proficiency of those who have studied Latin in a systematic course of five exercises a week, extending through at least *four* school years. The reading, in addition to that necessary for ele-

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mentary Latin, shall be not less in amount than Virgil, Aeneid, I-VI. With the exception of the Aeneid, I-II, and either IV or VI, which are required, it may be selected from the authors specified in I, 2 above.

The examination will cover the Aeneid, I-II, and either IV or VI, and sight translation of both prose and poetry.

MATHEMATICS

The present definition of the requirements in Mathematics is in accordance with recommendations made in September, 1903, by a committee of the American Mathematical Society.

I. ELEMENTARY ALGEBRA. The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions, including complex fractions, and ratio and proportion; linear equations, both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and of numbers; exponents, including the fractional and negative; quadratic equations, both numerical and literal; simple cases of equations, with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations; problems depending on quadratic equations; the binomial theorem for positive integral exponents; the formulas for the n th term and the sum of the terms of arithmetical and geometric progressions, with applications.

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

II. ADVANCED ALGEBRA. Permutations and combinations, limited to simple cases; complex numbers with graphical representation of sums and differences; determinants, chiefly of the second, third, and fourth orders, including the use of minors and

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the solution of linear equations; numerical equations of higher degree, and so much of the theory of equations, with graphical methods, as is necessary for their treatment, including Descartes's rule of signs and Horner's method, but not Sturm's functions or multiple roots.

III. PLANE GEOMETRY. The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle; the solution of numerous original exercises, including loci problems, applications to the mensuration of lines and plane surfaces.

IV. SOLID GEOMETRY. The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurements of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle; the solution of numerous original exercises, including loci problems; applications to the mensuration of surfaces and solids.

V. PLANE TRIGONOMETRY. Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles; proofs of principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas; solution of trigonometric equations of a simple character; theory and use of logarithms (without the introduction of work involving infinite series); the solution of right and oblique triangles and practical applications.

PHYSICS

Physics as represented by Gage's Elements of Physics, or other text-book of equal grade. Candidates must be able to solve numerical examples under the various sections; must have performed forty experiments from Hall and Bergen's text-book, and have a note-book containing a written description in their

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own language of their experiments, with all their calculations. These note-books must be certified by their instructors and presented at the examination.

Terms of Admission

The subjects which have been mentioned in the previous pages may be presented in satisfaction of the requirements for admission to the Freshman class in Bowdoin College under the following conditions. The basis of the system is the work represented by a course pursued five hours per week for a period of thirty-eight weeks. Such a course counts one unit.

To enter free from conditions, a candidate for admission must offer subjects amounting in all to $14\frac{1}{2}$ units.

I. FOR THE DEGREE OF A. B. The following subjects aggregating 10 units are required:

English	3
Latin, Elementary	3
Algebra	2
Plane Geometry	1
Roman History	$\frac{1}{2}$
Greek, English or American History	$\frac{1}{2}$
	10

Subjects amounting to $4\frac{1}{2}$ units must be elected from the following list:

Latin, Advanced	1	Physics	1
Greek, Elementary	2	Algebra, Advanced	$\frac{1}{2}$
Greek, Advanced	1	Solid Geometry	$\frac{1}{2}$
French, Elementary	2	Trigonometry	$\frac{1}{2}$
French, Advanced	1	Greek History	$\frac{1}{2}$
German, Elementary	2	English History	$\frac{1}{2}$
German, Advanced	1	American History	$\frac{1}{2}$
Chemistry	1		

If Elementary Greek is not presented, the candidate for ad-

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mission must offer either Elementary French or Elementary German.

Candidates are strongly recommended to present Advanced Latin for admission. If it is not presented, the student is required to take Latin A and B in college.

II. FOR THE DEGREE OF B. S. The following subjects aggregating 9 units are required:

English	3
Algebra	2
Plane Geometry	1
A Foreign Language	2
Two Histories	1
	9

Subjects amounting to $5\frac{1}{2}$ units must be elected from the following list:

Latin (2 years)	2	Chemistry	1
Latin, Elementary	3	Physics	1
Latin, Advanced	1	Algebra, Advanced	$\frac{1}{2}$
Greek, Elementary	2	Solid Geometry	$\frac{1}{2}$
Greek, Advanced	1	Trigonometry	$\frac{1}{2}$
French, Elementary	2	Greek History	$\frac{1}{2}$
French, Advanced	1	Roman History	$\frac{1}{2}$
German, Elementary	2	English History	$\frac{1}{2}$
German, Advanced	1	American History	$\frac{1}{2}$

Methods of Admission

ADMISSION BY EXAMINATION

EXAMINATIONS AT THE COLLEGE. The regular examinations for admission to college will be held in Banister Hall, in Brunswick, on Thursday, Friday and Saturday, June 25, 26 and 27, 1914, and on Monday, Tuesday and Wednesday, September 21, 22 and 23, 1914, according to the schedule printed on page 62. The examinations are chiefly in writing.

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EXAMINATIONS AT PREPARATORY SCHOOLS. Printed examination papers in certain of the subjects required for admission to college will be furnished to the principal of any high school or academy of good standing, having a regular college preparatory course of not less than four years in length, for the use of such of his students as propose to join the Freshman class at Bowdoin. In exceptional cases, the conduct of the examinations may, on the recommendation of the principal, be entrusted to some other person approved by the Faculty.

The following are the subjects in which papers will be sent: 1. Chemistry; 2. English; 3. French; 4. German; 5. Greek; 6. History (Greek, Roman, English and American); 7. Latin; 8. Mathematics (Algebra and Plane Geometry); 9. Physics.

No papers will be sent in Advanced Mathematics. The entrance examinations in these subjects can be taken only at Brunswick, and written applications for such examinations should be sent to the Dean at least three days before the examination dates.

In holding entrance examinations elsewhere than in Brunswick, the following regulations are to be observed:

1. Papers are sent only in June. The dates for holding the examinations in 1914 are June 4, 5 and 6. *Under no circumstances will papers be sent at any other dates.*

2. Applications for papers, addressed to the Dean, must be received *not later than June 1*, and should state the name of the school, the subjects in which papers are desired, and the number of students to be examined in each subject.

3. Printed examination papers, together with the requisite number of blue-books, will be sent to the principal by express, prepaid, in time for the examinations. On the completion of the examinations, the books are to be returned at once by express at the expense of the College.

4. The examinations are to be conducted by the principal in conformity with a schedule of hours fixed by the College.

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For 1914 the schedule of examinations is as follows:

Thursday, June 4.

Thursday, June 25.

Monday, September 21.

9-12 A. M., History.

2-5 P. M., Latin.

7-9 P. M., Chemistry.

Friday, June 5.

Friday, June 26.

Tuesday, September 22.

9-12 A. M., English.

2-5 P. M., French.

7-9 P. M., Physics.

Saturday, June 6.

Saturday, June 27.

Wednesday, September 23.

9 A. M.-1 P. M., Mathematics.

2-5 P. M., German or Greek.

Examinations are also held at Thornton Academy, Saco; at Washington Academy, East Machias; at Fryeburg Academy; and at Lincoln Academy, Newcastle; these schools having been made special fitting schools for the College by the action of their several Boards of Trustees, in concurrence with the Boards of Trustees and Overseers of the College.

The entrance examinations may, if the candidate prefers, be divided between two or more successive years, or between June and September of the same year. In that case a certificate will be given for such subjects as are passed at each examination.

A report of the results of the examinations, whether at Brunswick or elsewhere, is made to the principal, and also to the candidate, within two weeks after Commencement.

COLLEGE ENTRANCE EXAMINATION BOARD. The certificates, issued as the result of examinations which are held by the College Entrance Examination Board, will be accepted by the College in so far as they meet the requirements for admission.

All applications for examination must be addressed to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., and must be made upon a blank form to be obtained from the Secretary of the Board upon application.

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Applications for examination at points in the United States east of the Mississippi River, also at points on the Mississippi River, must be received by the Secretary of the Board at least two weeks in advance of the examinations, that is, on or before Monday, June 1, 1914; applications for examination elsewhere in the United States or in Canada must be received at least three weeks in advance of the examinations, that is, on or before Monday, May 25, 1914; and applications for examination outside of the United States and Canada must be received at least five weeks in advance of the examinations, that is, on or before Monday, May 11, 1914.

Applications received later than the dates named will be accepted when it is possible to arrange for the admission of the candidates concerned, but only upon the payment of \$5.00 in addition to the usual fee.

The examination fee is \$5.00 for all candidates examined at points in the United States and Canada and \$15.00 for all candidates examined outside of the United States and Canada. The fee (which cannot be accepted in advance of the application) should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board.

A list of the places at which examinations are to be held by the Board in June 1914, will be published about March 1. Requests that the examinations be held at particular points, to receive proper consideration, should be transmitted to the Secretary of the Board not later than February 1.

ADMISSION BY CERTIFICATE

In place of examinations, certificates will be received from preparatory schools in New England which have been approved by the New England College Entrance Certificate Board. This Board is an association of colleges established for the purpose of receiving, examining, and acting upon all applications of schools in New England which ask for the privilege of certification. The associated colleges are Amherst, Bates, Boston University,

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Bowdoin, Brown, Colby, Dartmouth, Massachusetts Agricultural College, Middlebury, Mount Holyoke, Smith, Tufts, the University of Vermont, Wellesley, Wesleyan and Williams. Certificates are in all cases passed upon by the individual college; but students are received on certificate from such schools only as have been approved by this Board. All schools desiring the certificate privilege should apply *before April 1st of each year* to the Secretary of the Board, Professor Frank W. Nicolson, Wesleyan University, Middletown, Conn.

The College has established a list of schools outside New England to which it accords the certificate privilege. Admission to this list can be obtained on presentation of evidence of qualification.

Blank certificates for admission to Bowdoin College may be had by principals on application to the Dean.

ADVANCED STANDING

Candidates for admission to the Sophomore, Junior and Senior classes, who do not present certificates from other colleges, are examined in the studies already pursued by the class which they wish to enter, equivalents being accepted for the books and authors studied by the class. No one is admitted to the Senior class after the beginning of the Second Semester. Applications for admission to advanced standing should be addressed to the Dean.

SPECIAL STUDENTS

Persons who give evidence of maturity, earnestness of purpose and adequate preparation will be allowed to pursue special studies in connection with the regular classes, without becoming candidates for a degree; but no student shall continue in such special standing for more than two years. Application for admission as special students should be addressed to the Dean.

TESTIMONIALS AND CERTIFICATES

Testimonials of good moral character must in all cases be presented before certificates of admission are granted. A testimonial is preferred from the teacher under whom the preparatory

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course was completed. A student from another college, before he can be admitted, must present a certificate of honorable dismissal.

BOND

A bond for two hundred dollars, with satisfactory sureties, must be filed with the Treasurer by every student on his admission to college, as security for the payment of his term bills and any other charges that may arise under the college laws. A blank form for this purpose will be given with the certificate of admission.

Required and Elective Studies

REQUIRED STUDIES

FRESHMAN YEAR. Candidates for the degree of A.B. are required to take Hygiene, the first semester; English 4, the second semester; and

(1). English 1, 2; and

(2). French 1, 2; or German 1, 2, if French has been presented for admission; or an elective from group (3) or (4) if both French and German have been presented for admission; and

(3). One of the following: Greek A, B or 1, 2; Latin 1, 2; or Mathematics 1, 2; and

(4). An elective from (3) or from the following: French 3, 4 or 5, 6; German 3, 4 or 5, 6; History 1, 2; Physics 1, 2. (Physics 1, 2 may not be elected unless Mathematics 1, 2 is taken.).

NOTE. Candidates entering without advanced Latin are required to take Latin A, B.

Candidates for the degree of B.S. are required to take Mathematics 1, 2; otherwise their Freshman courses are the same as those for candidates for the degree of A.B.

SOPHOMORE YEAR. German 1, 2 is required of all students, unless taken Freshman year or presented for admission.

Latin 1, 2 is required of candidates for the degree of A.B. who

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took Latin A, B their Freshman year and who did not elect Greek A, B or 1, 2 or Mathematics 1, 2.

Greek 1, 2 is required of candidates for the degree of A.B. who took Greek A, B their Freshman year and who did not elect Latin 1, 2 or Mathematics 1, 2.

In addition to the foregoing required courses a course in Physical Training is required of all students from December first to April first in each of the four years.

ELECTIVE STUDIES

Thirty-four (34) courses are required for a degree, in addition to Hygiene, English 4 and four courses in Physical Training. These courses, except those mentioned above under Required Studies, which students must take at the times designated, are all elective, but subject to the following regulations:

1. Each student, whether Regular or Special, is required to take four (4) full courses each Semester in addition to the required work in Physical Training, Hygiene and English 4.

2. Each regular student is required to take a fifth (5) course during any two (2) Semesters after the Freshman year.

3. No student is allowed to elect more than one (1) extra course in any Semester without the consent of the Dean.

4. No student is allowed to elect courses involving a conflict of hours, except with the consent of the Faculty.

5. Each student is required to have completed before graduation either, (1) one major and two minor subjects, or (2) two major subjects.

DEFINITIONS. A Major is a subject pursued through six (6) courses. A Minor is a subject pursued through four (4) courses.

6. Each student who is a candidate for the degree of B.S. must have completed before graduation a major in either Biology, Chemistry or Physics.

7. Each student must see that the courses which he elects are open to his class and that he has fulfilled the prerequisites for them.

COURSES OF INSTRUCTION

ART

PROFESSOR JOHNSON

1. History of Art: Ancient and Mediaeval. First Semester: Monday, Wednesday, Friday, 9.30.

Elective for Juniors and Seniors.

2. Continuation of Course 1. Renaissance and Modern. Second Semester: at the same hours.

General survey of the development of the Fine Arts and their place in ancient and modern life. Study of significant works of architecture, sculpture and painting; critical examination of the original objects of art, from prehistoric to recent times, in the college collections, especially of the Greek and Roman antiquities, and of the original drawings by Old Masters. Principles of aesthetic criticism. Problems of the archaeologist. Present day art. Required readings.

Prerequisite, Course 1.

ASTRONOMY

ASSISTANT PROFESSOR ALVORD

[1. General Astronomy. Text-books, lectures and observational work. First Semester: Tuesday, Thursday, Saturday, 10.30.]

Omitted in 1913-1914.

Elements of spherical trigonometry with applications to simple problems in navigation and surveying.

Prerequisites, Mathematics, 1, 2.

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BIOLOGY

Zoölogy

PROFESSOR COPELAND AND ASSISTANT PROFESSOR GROSS

1. General Introduction to Zoölogy. Lectures and laboratory work. First Semester: Monday, Wednesday, Friday, 1.30. Laboratory divisions on the same days at 2.30 and 3.30.

2. Continuation of Course 1. Second Semester: at the same hours. PROFESSOR COPELAND

The lectures in Courses 1, 2 are designed to give a general introduction to the subject of Zoölogy. The classification, distribution, morphology, physiology, ecology and evolution of animals are discussed. Representative types from the lower groups of animals to the vertebrates are studied in the laboratory. Some exercises in addition are based on animal cytology, histology, embryology and physiology. The exercises involve the use of the microscope, and in Course 2 the student is given practice in dissecting. These courses are intended for beginners, and for those wishing to gain a comprehensive view of the subject.

Elective for Sophomores, Juniors, and Seniors, and required of Freshmen in the Medical Preparatory Course.

[3. Comparative Anatomy of Vertebrates. Lectures and laboratory work. First Semester: Monday, Wednesday, Friday, 10.30-12.30.]

[4. Continuation of Course 3. Second Semester: at the same hours.] ASSISTANT PROFESSOR GROSS

Omitted in 1913-1914.

Courses 3, 4 deal with the morphology of vertebrates from a comparative standpoint, and illustrate the evolution of animals from the fishes to the mammals. The classification of the chordates, theories of vertebrate structure and the homologies of organs are discussed. A fish, an amphibian, a reptile, a bird and a mammal are dissected and studied in the laboratory.

Elective for those who have passed or are taking Courses 1, 2.

5. Microscopical Anatomy. Lectures and laboratory work.

Courses of Instruction

First Semester: Monday, Wednesday, Friday, 10.30-12.30.

This course treats of the technique involved in the preparation and study of animal cells and tissues. A series of preparations is made and studied in the laboratory.

Elective for those who have passed or are taking Courses 1, 2.

6. Vertebrate Embryology. Lectures and laboratory work.
Second Semester: Monday, Wednesday, Friday, 10.30-12.30.

ASSISTANT PROFESSOR GROSS

A course on the earlier stages of development, treating of the reproductive cells, maturation, fertilization, cleavage, the formation of germ layers, the development of the primitive segments and the formation of fetal membranes. A series of preparations illustrating the early development of the chick is made and studied.

Prerequisite, Course 5.

Courses 3, 4 and 5, 6 are given in alternate years and are intended for those who desire to lay a broad foundation for the study of human morphology and physiology, and for those especially interested in or proposing to teach biology. Some opportunity is offered for a selection of work in accordance with the special requirement of the student. Practice is also given in technical laboratory methods.

7. Special Laboratory and Field Investigations. First Semester: six hours a week, at the convenience of instructor and students.

8. Continuation of Course 7. Second Semester: at the same hours.

PROFESSOR COPELAND AND ASSISTANT PROFESSOR GROSS

These courses offer to students having the requisite training the opportunity of pursuing original biological investigations under the direction of the instructor.

9. Organic Evolution. Lectures and readings. First Semester: Tuesday, Thursday, Saturday, 9.30.

PROFESSOR COPELAND

This course includes a discussion of the evidence supporting the doctrine of evolution, and an examination into the

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theories of species origin. The topics of variation, adaptation, heredity and other problems which arise in connection with evolutionary biology are discussed.

Elective for Juniors and Seniors.

Botany

PROFESSOR COPELAND

1. Botany. Lectures and laboratory work. Second Semester: Monday, Wednesday, Friday, 8.30-10.30.

The lectures are intended to give a general survey of botany and treat principally of the classification, morphology, physiology and ecology of plants. The laboratory work consists of the study of types of the vegetable kingdom from the lower groups to the flowering plants. The purpose of the course is to give a comprehensive view of the vegetable kingdom, and to present some of the facts and doctrines derived from the scientific study of plants. It is intended for beginners.

Elective for Sophomores, Juniors and Seniors.

CHEMISTRY

PROFESSOR CRAM AND ASSISTANT PROFESSOR LOOMIS

1. General Chemistry. Lectures and laboratory work. First Semester: Monday, Wednesday, Friday, 10.30. Laboratory divisions on the same days at 11.30, 1.30 and 2.30.

2. Continuation of Course 1. Second Semester: at the same hours.

PROFESSOR CRAM

Elective for Sophomores, Juniors and Seniors, and required of Freshmen in the Medical Preparatory Course.

3. Qualitative Analysis. First Semester: Monday, Wednesday, Friday, 2.30.

PROFESSOR CRAM

Prerequisites, Courses 1, 2.

4. Quantitative Analysis. General methods, gravimetric and volumetric. Second Semester: Monday, Wednesday, Friday, 2.30.

ASSISTANT PROFESSOR LOOMIS

Courses of Instruction

The course is conducted by means of conferences, each student working individually. Five hours a week laboratory work is required and one hour lecture on Physical Chemistry.

Prerequisite, Course 3.

5. Advanced Quantitative Analysis, preparation of organic and inorganic compounds, assaying, analysis of water, food, gas, iron, or soil, paper and pulp chemistry. First Semester: lecture on Physical Chemistry, Thursday, 2.30; five hours of laboratory work and a conference period by appointment.

ASSISTANT PROFESSOR LOOMIS

Work may be chosen from the above list of topics according to individual preferences. It is impossible for one student to take up all the topics in the time available.

Students intending to elect this course are advised, though not required, to elect Physics 1, 2.

Prerequisite, Course 4.

6. Organic Chemistry. Lectures and laboratory work. Second Semester: Monday, Wednesday, Friday, 2.30.

ASSISTANT PROFESSOR LOOMIS

Laboratory hours are arranged so that this course does not conflict with Course 4.

Prerequisite, Course 3.

7. Continuation of Course 5. First Semester.

ASSISTANT PROFESSOR LOOMIS

Elective for those who have passed Course 5 and for Seniors who are taking Course 5.

8. Continuation of Course 7. Second Semester.

PROFESSOR CRAM AND ASSISTANT PROFESSOR LOOMIS

Elective for those who have passed Course 7 and who have taken or are taking Course 6. This course cannot be taken without Course 6.

Physical Chemistry. One lecture a week during the Second Semester as a part of Course 4. The chapters taken up are those on the general properties of matter in the gaseous, liquid,

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and solid states, and solutions. Second Semester: Wednesday, 2.30. PROFESSOR CRAM

Physical Chemistry and Advanced Inorganic Chemistry. One lecture a week throughout the year as a part of Courses 5 and 8. The physical chemistry comprises the chapters on electrochemistry, thermochemistry, photochemistry, and chemical dynamics. This is followed by advanced inorganic chemistry. Both semesters: Thursday, 2.30.

ASSISTANT PROFESSOR LOOMIS

Physiological Chemistry. Both semesters: Thursday, 8.30-12.30. PROFESSOR CRAM

Permission will be given to a few seniors of good standing in the College to take the work in physiological chemistry in the Medical School with credit for a one semester course. Such students should take organic chemistry their Junior year. Permission to take this course will be granted only to students whose records in the department warrant it, and to only a limited number of such students.

Students who come to college with the intention of specializing in chemistry and who would like advice about the collateral subjects required for graduate work, are urged to consult Professor Cram at an early date.

ECONOMICS AND SOCIOLOGY

PROFESSOR CATLIN AND MR. McCLEAN

1. Principles of Economics. Text-book, lectures and conferences. First Semester: Tuesday, Thursday, Saturday, 9.30.

PROFESSOR CATLIN AND MR. McCLEAN

A study of the fundamental laws of the subject with some of their practical applications in business and politics.

Elective for Sophomores, Juniors and Seniors.

2. Corporations, Trusts and Railways. Text-books, reports and lectures. Second Semester: Tuesday, Thursday, Saturday, 9.30. MR. McCLEAN

Courses of Instruction

A study in business organization as revealed in these forms of enterprise. Among the subjects treated are: the evolution of the corporation, nature of corporate charters, methods of promotion and financing; the causes and bases of trusts, policies of trusts as to prices and wages, legal aspects of the trust problem; problems of railway management, rates, pooling, consolidation, governmental policies toward railways here and abroad.

Prerequisite, Course 1.

[3. Money and Banking. Text-books, reports and lectures. First Semester: Tuesday, Thursday, Saturday, 11.30.]

Omitted in 1913-1914; to be given 1914-1915.

PROFESSOR CATLIN

An attempt is made in this course to arrive at sound principles as to currency and banking reform. A study is made of the relation between money and prices, of the problem of monetary standards, and of the banking systems and methods of the United States and leading European countries.

Elective for Juniors and Seniors who have passed Course 1.

4a. Public Finance. Lectures, readings and reports. Second Semester: Tuesday, Thursday, Saturday, 11.30.

Given in 1913-1914; to be omitted in 1914-1915.

PROFESSOR CATLIN

This course takes up the problems of local, state and national revenue and expenditure from a social as well as from a fiscal standpoint.

Elective for Juniors and Seniors who have passed Course 1.

[4b. Commerce and Commercial Policy. Text-book, reports and lectures. Second Semester: Tuesday, Thursday, Saturday, 11.30.]

Omitted in 1913-1914; to be given in 1914-1915.

PROFESSOR CATLIN

This course treats of both domestic and foreign trade, especial emphasis being placed upon the marketing of goods and upon the relative merits of different commercial policies. The consular service, customs administration, and ocean transportation are also treated.

Prerequisite, Course 1.

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5. Sociology. Text-books, readings and lectures. First Semester: Tuesday, Thursday, Saturday, 10.30.

MR. McCLEAN

A study of social evolution and organization with a view to arriving at the laws of social progress; early forms and development of the industrial organization, marriage and the family, religion, government, etc.

Elective for Juniors and Seniors.

6. The Labor Problem. Lectures, readings and discussions. Second Semester: Tuesday, Thursday, Saturday, 10.30.

Given in 1913-1914; to be omitted in 1914-1915.

PROFESSOR CATLIN

A study of the rise of the factory system and modern capitalistic production with a critical analysis of the various solutions of the problem, attempted and proposed: trade unionism, socialism, profit-sharing, scientific management, coöperation, industrial education, and labor legislation.

Elective for Juniors and Seniors.

7. Conservation. Readings, reports and lectures. First Semester: Tuesday, Thursday, Saturday, 10.30.

To be given in 1914-1915 in the Second Semester.

PROFESSOR CATLIN

This course deals with the problems of waste-prevention as they arise in connection with our natural resources and with the public health and safety. Special topics treated include those of fire-loss, garbage and sewage disposal in cities, vital statistics and eugenics.

Prerequisite, Course 1.

8. Applied Sociology. Text-books, reports and lectures. Second Semester: Tuesday, Thursday, Saturday, 10.30.

MR. McCLEAN

A study of contemporary society, chiefly American, in the light of the laws of social progress. Certain typical modern social problems, such as poverty, crime and immigration will be considered with especial reference to systems of improvement.

Course 5 is recommended as an introduction to this course.

Courses of Instruction

EDUCATION

PROFESSOR MCCONAUGHY

[1. History of Education. Lectures, text-book and readings.
First Semester: Tuesday, Thursday, Saturday, 8.30.]

Omitted in 1913-1914.

A study of the aims, methods and leaders of the education of the past, presented as a basis for an understanding of modern educational problems. Intended for students planning to teach, and those interested in educational history.

Elective for Juniors and Seniors.

2. Secondary Education. Lectures, readings, investigations, reports and practice teaching. Second Semester: three hours a week, at the convenience of instructor and students.

This course aims to train students who expect to teach in secondary schools. It will include a survey of the history of the secondary school, its place in the modern educational system, the best methods of teaching in secondary schools, and kindred problems. Besides extensive readings, members of the class will visit and study nearby secondary institutions, and assist in the instruction.

Elective for Seniors who expect to teach.

3. Educational Psychology Lectures, text-book and readings. First Semester: Tuesday, Thursday, Saturday, 8.30.

To be omitted in 1914-1915.

A study of the psychology of mental development, including original nature, habit, interest, fatigue, memory, practice, transfer, individual and sex differences, adolescence.

Elective for Juniors and Seniors.

A course in Psychology is recommended as an introduction to this course.

ENGLISH

PROFESSORS MITCHELL, ELLIOTT, DAVIS AND MCCONAUGHY

1. English Composition. First Semester: Div. A, Tuesday, Thursday, Friday, Saturday, 10.30. Div. B, Tuesday, Friday, Saturday, 11.30; Thursday, 9.30.

PROFESSORS DAVIS AND MCCONAUGHY

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Espensshade's Composition and Rhetoric. A study of diction and of the structure of the sentence and the paragraph. Recitations, lectures, readings; written work with conferences, six long themes and occasional page themes; outside reading: *The Jungle Book*, *Will o' the Mill*, *Virginibus Puerisque*, *Henry Esmond*, *The Golden Treasury*, *Henry IV*, *Schurz's Abraham Lincoln*.

Required of Freshmen.

2. Continuation of Course 1. Second Semester: Div. A, Tuesday, Thursday, Saturday, 10.30. Div. B, Tuesday, Saturday, 11.30; Thursday, 9.30. PROFESSOR MITCHELL

Genung's Practical Rhetoric. A study of the theme as a whole, introductory to the more detailed study of exposition, description, narration and argumentation in Courses 3, 5 and 10. Recitations, lectures, readings; written work with conferences, five long themes and occasional page themes; outside reading: *Twice Told Tales*, *David Copperfield*, *Othello*, *Adam Bede*, *Treasure Island*.

Required of Freshmen.

3. English Composition. First Semester: Tuesday, Thursday, Saturday, 11.30. PROFESSOR DAVIS

Practice in writing, with emphasis upon Exposition and Argumentation; daily themes, long themes, brief and forensic. Frequent individual conferences.

Elective for Sophomores, Juniors and Seniors.

4. Public Speaking. Second Semester: Div. C, Friday, 8.30. Div. E, Friday, 9.30. Div. D, Friday, 10.30. Div. F, Friday, 11.30. PROFESSOR MITCHELL

Informal lectures; drill in articulation, intonation and gesture; short declamations with criticism by students and instructor; longer declamations, previously rehearsed to the instructor, spoken before the class.

Required of Freshmen.

5. Argumentation and Debating. First Semester: Tuesday evening, 7.00-9.30; Thursday, 2.30.

Further study of Argumentation, especially as applied to formal debating. Study of principles, analysis of notable

Courses of Instruction

examples, practice in speaking, participation in actual debates.

Prerequisites, Courses 1, 2, 3, 4.

6. Forms of Public Address. Second Semester: at the same hours as Course 5. PROFESSOR DAVIS

Study (including preparation and delivery of original compositions) of Argumentative Address, Eulogy, Commemorative Address, After-Dinner Speech; frequent exercises in extemporaneous speaking.

Prerequisite, Course 5.

7. Literary Composition. Study of leading forms of literature, with practice in construction: Translation, Professor Johnson; Essay, Professor Elliott; Oration, Professor Mitchell; Short Story, Professor Davis; Drama, Professor Files; Verse, Professor Sills. The final exercise of each subdivision is a general meeting of the six instructors and the students for criticism and discussion of results. First Semester: three hours a week, at the convenience of instructors and students.

8. Continuation of Course 7. Second Semester: three hours a week, at the convenience of instructors and students.

Courses 7, 8 are open to six Juniors and Seniors selected by competition.

Literature

- [9. Lyric Poetry. Primarily reading and discussion. First Semester: Tuesday, Thursday, Saturday, 10.30.]

To be given in 1914-1915.

PROFESSOR ELLIOTT

Reading and study of a number of standard short poems. Study of the nature and modes of poetry. Practice in oral reading.

Elective for Sophomores; also for Juniors who have not had Courses 13, 14. Required, hereafter, of students majoring in English Literature.

10. Nineteenth Century Essayists. Second Semester: Tuesday, Thursday, Saturday, 11.30. PROFESSOR DAVIS

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Required reading from the works of Lamb, Hazlitt, Irving, Hunt, De Quincey, Carlyle, Macaulay, Newman, Emerson, Holmes, Thackeray, Lowell, Ruskin, Arnold, Stevenson, etc. Frequent written reports; conferences.

Prerequisite, Course 3.

[11. The Novel. Lectures and readings. First Semester: Tuesday, Thursday, Saturday, 10.30.]

Omitted in 1913-1914.

PROFESSOR MCCONAUGHY

A study of the development of English fiction, with the reading of representative novels, and a critical investigation of prose fiction as a form of English literature.

Elective for Juniors and Seniors.

12. The Drama. Lectures and readings. Second Semester: Tuesday, Thursday, 10.30; and a conference period.

PROFESSOR MCCONAUGHY

A study of the development of the drama in England, with particular emphasis upon the Elizabethan Drama. Representative plays will be read and discussed.

Elective for Juniors and Seniors.

13. Meaning and Method of English Literature. Lectures, supplementary reading, and conferences. First Semester: Monday, Wednesday, Friday, 9.30.

From early times to the age of Pope. For critical study: representative works of Chaucer, Spenser, Shakespeare, Milton, Pope.

14. Continuation of Course 13. Second Semester: at the same hours.

PROFESSOR ELLIOTT

From the time of Gray to the present. For critical study: selected works of Burns and the chief Nineteenth Century poets; Carlyle's and Arnold's interpretations of modern life and literature.

Elective for Juniors and Seniors.

For students desiring a thorough acquaintance with the development of English Literature, courses in the following have a special preparatory and supplementary value: Eng-

Courses of Instruction

lish or Mediaeval History, the Classics, advanced Modern Languages, Philosophy.

15. Shakespeare. Lectures, supplementary reading, and conferences. First Semester: Tuesday, Thursday, Friday, 1.30.

For special study: certain histories and comedies.

16. Continuation of Course 15. Second Semester: at the same hours.

PROFESSOR ELLIOTT

Given in 1913-1914; to be omitted in 1914-1915.

For special study: certain tragedies and romances.

Elective for Juniors and Seniors. Prerequisite, after 1913-1914, Courses 13, 14.

[17. Carlyle, particularly in relation to Emerson. Lectures, supplementary reading, and conferences. First Semester: Tuesday, Thursday, Friday, 1.30.]

[18. Robert Browning. Second Semester: at the same hours.]

PROFESSOR ELLIOTT

To be given in 1914-1915.

For students desiring a closer acquaintance with the personality and development of individual authors whom they have already studied.

Course 14 will in general be regarded as a prerequisite.

Elective for Seniors.

FRENCH

PROFESSOR JOHNSON AND MR. CLARK

1. Grammar, composition and reading of simple texts. First Semester: Monday, Wednesday, Friday, 2.30

2. Grammar, composition and reading of modern prose. Second Semester: at the same hours.

MR. CLARK

Courses 1, 2 are required of all Freshmen and other first-year students who have not received credit in Elementary French for admission.

3. Reading and Composition. Oral practice. First Semester: Monday, Wednesday, Friday, 9.30.

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4. Continuation of Course 3. Second Semester: at the same hours. MR. CLARK

Prerequisites, Courses 1, 2, or their equivalent.

5. Rapid reading of modern novels and plays. Composition. Oral practice. First Semester: Monday, Wednesday, Friday, 11.30.

6. Continuation of Course 5. Second Semester: at the same hours. MR. CLARK

Courses 5, 6 are elective for those who have passed Courses 3, 4; or Courses 1, 2 with a grade of B; or who have received credit in Advanced French for admission.

7. History of French Literature, including Old Provençal. Lectures, interpretation of selected texts of the Ninth to the Sixteenth Centuries. First Semester: Monday, Wednesday, Friday, 11.30.

8. Continuation of Course 7. Seventeenth to the Nineteenth Centuries. Second Semester: at the same hours.

PROFESSOR JOHNSON

Elective for Juniors and Seniors.

Prerequisites, Courses 3, 4, or their equivalent.

GEOLOGY AND MINERALOGY

PROFESSOR CRAM AND ASSISTANT PROFESSOR LOOMIS

Geology

1. An elementary course in dynamical and historical geology. First Semester: Monday, Wednesday, Friday, 9.30.

ASSISTANT PROFESSOR LOOMIS

Elective for Sophomores, Juniors and Seniors.

Mineralogy

1. The identification, composition, properties, occurrence and uses of the common minerals and rocks. Lectures and laboratory work. Second Semester: Tuesday, Thursday, Saturday, 8.30.

PROFESSOR CRAM

Courses of Instruction

Elective for Sophomores, Juniors and Seniors who have passed Chemistry 1.

The courses in geology and mineralogy together constitute a year's work in geology, and are intended to satisfy the requirements of graduate schools for that amount of work in the subject. Either course may be taken without the other.

GERMAN

PROFESSORS FILES AND HAM

1. Elementary German. First Semester: Monday, Tuesday, Thursday, Friday. Div. A, 10.30; Div. B, 1.30; Div. C, 2.30.

2. Continuation of Course 1. Second Semester: at the same hours. PROFESSOR HAM

Required of Freshmen who offer French for admission, and of Sophomores who have not previously passed these courses or their equivalent.

3. Prose Composition and Reading. First Semester: Tuesday, Thursday, Saturday, 10.30.

4. Continuation of Course 3. Second Semester: at the same hours. PROFESSOR FILES

Advanced prose composition. The time devoted to class-room work is equally divided between reading and prose composition together with abundant practice in speaking German.

Elective for those who have passed Courses 1, 2, or their equivalent.

5. Prose and Poetry of the Nineteenth Century. First Semester: Monday, Wednesday, Friday, 8.30.

6. Continuation of Course 5. Second Semester: at the same hours. PROFESSOR HAM

Courses 5, 6 aim to develop the power to read German at sight. To this end especial attention is given to the acquirement of a working vocabulary and to steady practice in the fundamentals of grammar.

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Elective for those who have passed Course 2, or who have received credit in German for admission.

7. Goethe's Faust. Study of Part I and selections from Part II. First Semester: Tuesday, Thursday, Saturday, 11.30.

8. Continuation of Course 7. Second Semester: at the same hours. PROFESSOR FILES

Elective for those who have taken Courses 1, 2 (or their equivalent), and 3, 4 or 5, 6.

9. Modern Germany. First Semester: Tuesday, Thursday, Saturday, 8.30.

The political evolution of Germany in the Nineteenth Century.

10. Modern Germany. Second Semester: at the same hours. PROFESSOR HAM

Selected topics in the history of the German people during the Nineteenth Century. Courses 9, 10 are conducted by lectures in connection with a German text-book.

Prerequisite, Course 4 or 6.

[11. Goethe. Reading of Selected Works, both Prose and Poetry. First Semester: Thursday, 2.30-4.30.]

[12. Continuation of Course 11. Second Semester: at the same hours.] PROFESSOR FILES

Omitted in 1913-1914; to be given in 1914-1915.

Courses 11, 12 are elective for those students who have taken Courses 1, 2 (or their equivalent) and 3, 4 or 5, 6. The courses combine with abundant practice in reading a careful study of the poet's life.

13. Contemporary German Drama. First Semester: Tuesday, 2.30-4.30.

14. Continuation of Course 13. Second Semester: at the same hours. PROFESSOR FILES

A careful study of some of the more important stage plays of recent years, with especial emphasis upon their literary value, their dramatic construction, and the social problems

Courses of Instruction

suggested. The course will comprise also a study of the contemporary drama in Europe and America.

Elective for those who have studied German three (in exceptional cases, two) years.

15. Gothic. Grammar and reading from the Gothic Bible. First Semester: two hours a week, at the convenience of instructor and students. PROFESSOR FILES

16. Gothic. Second Semester: three hours a week at the convenience of instructor and students. PROFESSOR HAM

Study of Gothic grammar and analysis of selected passages from the Gothic Bible. Introduction to Old High German, —development of sounds and inflections.

These courses are intended primarily to furnish an introduction to the study of Germanic philology, with a special view to the needs of students who intend to enter upon university work in Germanics.

Elective for those who have studied German at least three years.

GREEK

PROFESSOR WOODRUFF

A. Elementary Greek. Text-book, Benner and Smyth's Beginner's Greek Book. First Semester: Monday, Tuesday, Thursday, Friday, 2.30.

B. Continuation of Course A. Xenophon's Anabasis, with exercises in writing Greek. Second Semester: at the same hours.

The aim of these courses is to prepare the student, as well as the limit of time allows, for admission to Greek I.

Elective for those who enter without Greek, but omitted whenever there are fewer than three applicants.

1. Plato and Homer. First Semester: Tuesday, Wednesday, Friday, Saturday, 8.30.

Until the holiday recess the work centers in the life, character, and influence of Socrates, and the reading includes Plato's Apology and Crito, with selected passages from other dialogues, and also from the Memorabilia of Xenophon. The aim of the work in the Odyssey is to gain a clear conception

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of the poem as a whole, its contents, structure, and literary art, selected books being read in the original and the rest in translation.

2. Homer; and 'The New Testament. Second Semester: at the same hours.

The study of the *Odyssey* as outlined under Course 1 will continue until the spring recess, after which the Gospel of Mark will be read, with study of Palestine and its life and institutions in New Testament times to supply the historic background for the life of Jesus.

Courses 1, 2 are elective for Freshmen who have received credit in Greek for admission and for those who have completed Courses A, B.

3. Lyric Poetry. First Semester: Tuesday, Thursday, Saturday, 10.30.

The best Greek lyrics are read as a connecting link between the epic and the drama, with investigation of changing political, economic, and social conditions and of the relation of these changes to the new kinds of poetry.

Prerequisites, Courses 1, 2.

4. Dramatic Poetry. Second Semester: at the same hours.

While reading and translating selected plays of Euripides the student is helped to trace the development of tragedy from its origin in lyric poetry to its culmination under the Athenian democracy "as the final outcome of the Greek genius in poetry."

Prerequisites, Courses 1, 2, 3.

5. Dramatic Poetry continued; or Oratory. First Semester: three hours, at the convenience of instructor and students.

Selected plays of Sophocles and Aeschylus continue the work in tragedy; in alternation with Lysias and Demosthenes and the history of the development of Greek oratory.

6. Dramatic Poetry continued; or History; Second Semester; three hours, at the convenience of instructor and students.

It is the aim of this course to bring out the significance of the Old Comedy as a factor in Greek political and social life, as illustrated by selected plays of Aristophanes; in alterna-

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tion with Thucydides and the study of the growth of Greek historical writing.

Courses 5, 6 may be elected for two successive years.

Prerequisites, Courses 3, 4.

7. Greek Literature in English Translation. Lectures and readings, conferences for informal discussion, and assignment of selected works for special study and written tests. First Semester: Tuesday, Thursday, Saturday, 9.30.

After a general introduction which includes a rapid review of the epic and lyric periods, the main work will be in the development of tragedy from choral lyric and the reading of the plays of Aeschylus and Sophocles.

8. Continuation of Course 7. Second Semester: at the same hours.

Selected plays of Euripides are read to complete the work in tragedy, followed by the Acharnians, Clouds, Birds and Frogs of Aristophanes, in connection with the works of Plato that deal with the person of Socrates, the Memorabilia and Symposium of Xenophon, and Thucydides' History of the Sicilian Expedition.

For Courses 7, 8 no knowledge of the Greek language is necessary.

Elective for Juniors and Seniors.

HISTORY AND POLITICAL SCIENCE

PROFESSORS BELL, HORMELL AND NIXON

History

1. History of Greek Civilization. First Semester: Monday, Wednesday, Friday, 1.30.

2. History of Roman Civilization. Second Semester: at the same hours.

PROFESSOR NIXON

While these courses are introductory to Courses 3, 4, 5, 6, they are not prerequisites for them. Weekly lectures, written recitations and conferences with small groups of the class for the discussion of assigned topics.

Elective for Freshmen.

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[3. History of Europe to 1300. First Semester: Monday, Wednesday, Friday, 11.30.]

[4. History of Europe from 1300 to the Renaissance. Second Semester: at the same hours.] PROFESSOR BELL

Omitted in 1913-1914.

5. History of England to 1547. First Semester: Monday, Wednesday, Friday, 11.30.

6. History of England since 1547. Second Semester: at the same hours. PROFESSOR BELL

Courses 3, 4 form a consecutive course throughout the year, as do Courses 5, 6. They are given in alternate years. Lectures, text-book, collateral readings, conferences and reports.

Elective for Sophomore, Juniors and Seniors. Course 4 is elective only for those who have taken Course 3. Course 6 is elective for those who have taken Course 5, or Course 3, 4.

7. History of the American Colonies and of the United States to 1860. First Semester: Monday, Wednesday, Friday, 10.30.

8. History of the United States since 1860. Second Semester: at the same hours. PROFESSOR HORMELL

Courses 7, 8 form a consecutive course throughout the year. Lectures occupy two of the three hours allotted to these courses. The third hour is given to conferences, with small groups of students, for the discussion of assigned topics.

Elective for Juniors and Seniors.

[10. History of Europe since 1815. Second Semester: Monday, Wednesday, Friday, 10.30.] PROFESSOR BELL

Omitted in 1913-1914.

A study of the political and economic developments which have produced existing conditions in Europe and the expansion of European influence into Asia and Africa. Lectures, text-book, collateral readings and conferences.

Elective for Juniors and Seniors.

Political Science

1. European Governments and Parties, with especial reference

Courses of Instruction

to the Government of England. First Semester: Monday, Wednesday, Friday, 9.30. PROFESSOR BELL

2. American Government and Politics. Second Semester: at the same hours. PROFESSOR HORMELL

Courses 1, 2 form a consecutive course throughout the year. Lectures, assigned readings, reports and conferences with small groups of students.

Elective for Juniors and Seniors.

3. Municipal Government, with especial reference to American municipal problems. First Semester: Monday, Wednesday, Friday, 11.30. PROFESSOR HORMELL

Course 3 is elective for not over ten students, preference given to those who have taken or are taking Political Science 1, 2.

HYGIENE AND PHYSICAL TRAINING

PROFESSOR WHITTIER

Hygiene

Lectures on Human Anatomy, Physiology and Personal Hygiene. First Semester: Thursday, 8.30.

Each student receives a thorough medical and physical examination. From the measurements and strength tests taken a chart is made out for each student, showing his size, strength and symmetry in comparison with the normal standard, and also what parts of the body are defective either in strength or development. At the same time the student receives a hand-book containing the exercises prescribed for the purpose of correcting the physical defects shown by his chart, with specific directions in regard to diet and bathing.

Required of Freshmen.

Physical Training

1. Class exercises: military drill, setting-up drill and Indian-club swinging. Squad exercises (graded to suit the strength of

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each squad): indoor athletics, chest weights and heavy gymnastics. December to April: Monday, Wednesday, Thursday, 11.30.

Required of Freshmen.

2. Class exercises: dumb-bells and boxing. Squad exercises: indoor athletics and wrestling. December to April: Monday, Wednesday, Thursday, 3.30.

Required of Sophomores.

3. Class exercises: fencing with single-sticks and broadswords. Squad exercises: indoor athletics. December to April: Tuesday, Thursday, 4.30; Friday, 3.30.

Required of Juniors.

4. Class exercises: fencing with foils. Squad exercises: indoor athletics. December to April: Monday, Wednesday, Friday, 4.30.

Required of Seniors.

ITALIAN

PROFESSOR BROWN

[1. Elementary Course. Grammar, composition and reading. First Semester: Monday, Wednesday, Friday, 10.30.]

[2. Continuation of Course 1. Selections from the prose and poetry of the Eighteenth and Nineteenth Centuries. Second Semester: at the same hours.]

Omitted in 1913-1914.

[3. Dante, Petrarch and Boccaccio. Selections from the Divine Comedy, the Sonnets and the Decameron. First Semester: Monday, Wednesday, Friday, 10.30.]

[4. Continuation of Course 3. Second Semester: at the same hours.]

Omitted in 1913-1914.

Courses of Instruction

LATIN

PROFESSORS SILLS AND NIXON

A. Selections from Curtius and from Ovid's *Metamorphoses*.
Prose Composition. First Semester: four hours a week.

B. Selections from Virgil's *Aeneid*. Second Semester: four
hours a week. PROFESSOR NIXON

These courses are required of all candidates for the degree
of A.B. who have not received credit in Advanced Latin for
admission.

1. Introduction to Latin Prose Literature. Selections from
Livy, Cicero and Pliny the Younger. First Semester: Div. A,
Tuesday 11.30, Thursday, 9.30, Friday 11.30, Saturday 9.30.
Div. B, Tuesday, Thursday, Friday, Saturday 10.30.

2. Introduction to Latin Poetry and Drama. Horace, Se-
lected Odes; Terence, one play; Plautus, one play. Second
Semester: at the same hours.

PROFESSORS SILLS AND NIXON

Ordinarily Course 2 may not be taken by students who
have not had Course 1. Elective for Freshmen.

3. General View of Latin Literature from the Origins to
Ovid, with especial attention to Cicero's *Tusculan Disputations*.
First Semester: Tuesday, Thursday, Saturday 8.30.

PROFESSOR SILLS

Prerequisites, Courses 1, 2.

[3a. Terence: Six Plays. First Semester: Tuesday, Thurs-
day, Saturday, 8.30.] PROFESSOR SILLS

Omitted in 1913-1914; to be given in 1914-1915.

4. General View of Latin Literature from Seneca to Claud-
ian, with especial attention to Suetonius's *Lives of the Caesars*.
Second Semester: Tuesday, Thursday, 1.30.

PROFESSOR NIXON

Prerequisites, Courses 1, 2, 3.

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The Sewall Latin Prize is annually awarded to the Sophomore who passes the best examination in this course,

[4a. Horace, Satires and Epistles; Cicero, Selected Letters; Phaedrus, Fables. Second Semester: Tuesday, Thursday, 1.30.] PROFESSOR NIXON

Omitted in 1913-1914; to be given in 1914-1915.

Prerequisites, Courses 1, 2, 3.

5. Seneca, Selected Letters and De Clementia; Apuleius, Cupid and Psyche; Petronius, Trimalchio's Dinner; Quintilian, Selections. First Semester: two hours a week.

PROFESSOR NIXON

Prerequisites, Courses 1, 2, 3, 4.

[5a. Juvenal and Martial. First Semester: two hours a week.]
Omitted in 1913-1914; to be given in 1914-1915.

PROFESSOR NIXON

Selections from the Satires and the Epigrams. Roman society in the early Empire.

Prerequisites, Courses 1, 2, 3, 4.

6. Selections from Lucretius; and Virgil, the Georgics. Second Semester: two hours a week.

PROFESSOR SILLS

Prerequisites, Courses 1, 2, 3, 4, 5.

[6a. Late Latin. The Vulgate; Latin hymns; selections from Dante, Petrarch, Erasmus and Politian. Second Semester: two hours a week.]

PROFESSOR SILLS

Omitted in 1913-1914; to be given in 1914-1915.

Prerequisites, Courses 1, 2, 3, 4.

[7. Virgil. Lectures, reports and translations of assigned passages. Second Semester: Monday, Wednesday, Friday, 11.30.]

PROFESSOR SILLS

Omitted in 1913-1914; to be given in 1914-1915.

The Aeneid will be read entire, and the lectures will discuss Virgil as an epic poet and Virgil's literary influence in modern literature.

Courses of Instruction

Elective for Juniors and Seniors. No previous course in Latin is required.

8. Latin influence in English Literature. Lectures, reports and outside readings in Latin and English. Second Semester: Monday, Wednesday, Friday, 11.30. PROFESSOR SILLS

A study of the character and quality of English literature as affected by the influence of the classics, and the Latin heritage of the principal English poets.

Elective for Juniors and Seniors. No previous course in Latin is required. Students are not advised to elect this course unless they have had English 13.

MATHEMATICS

PROFESSOR MOODY AND ASSISTANT PROFESSOR ALVORD

1. Algebra and Solid Geometry. First Semester: Monday, Tuesday, Wednesday, Friday. Div. A, 8.30; Div. B, 9.30; Div. C, 8.30; Div. D, 9.30.

Graphic algebra, including a review of portions of the preparatory work; complex numbers; selected topics from series and limits, indeterminate equations, undetermined coefficients, binomial theorem, elements of the theory of logarithms, choice, determinants and higher equations. This portion of the work closes before the holiday vacation, and the remainder of the Semester is given to solid geometry with mensuration and original theorems.

2. Solid Geometry and Trigonometry. Second Semester: Monday, Tuesday, Wednesday, Friday. Div. A, 8.30; Div. B, 9.30; Div. C, 8.30; Div. D, 9.30.

PROFESSOR MOODY AND ASSISTANT PROFESSOR ALVORD

Solid Geometry completed: trigonometry of the right triangle; practice with four-place tables in solving examples from algebra and geometry and simple problems of heights and distances. Demonstration of fundamental formulas for all angles, and proof of exercises drawn therefrom; the theory and use of six-place logarithmic tables; the solution of oblique triangles, with problems and applications.

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Courses 1, 2, (except as provided under 1a, 1b, 2b, 2c), are required of candidates for the degree of B.S., for Freshmen who elect Physics 1, 2, and are elective for all other students.

1a. Advanced Algebra. Determinants, theory of equations continued from Course 1, and selected topics. Three hours a week, during the first term.

1b. Conic Sections. Elementary geometric theorems and constructions. Four hours a week, from January to the end of the First Semester.

2b. Conic Sections and Mensuration. Four hours a week, during the first four weeks of the Second Semester.

The work of 1b continued and logarithmic computation for plane and solid figures.

2c. Algebra and Trigonometry. Three hours a week, from April to the end of the Second Semester.

PROFESSOR MOODY

Algebraic and trigonometric series. Theorems and exercises from Higher Plane Trigonometry.

Courses 1a, 1b, 2b, 2c are provided for students taking first-year mathematics who have received credit in Advanced Algebra, Solid Geometry, or Trigonometry, for admission. Hours for recitation will be arranged.

3. Analytic Geometry. Fine and Thompson's Coördinate Geometry. First Semester: Monday, Wednesday, Friday, 11.30.

4. Calculus. Second Semester: Monday, Wednesday, Friday, 11.30.

PROFESSOR MOODY

Selected topics in differential calculus, with application to problems and curve tracing. Double and triple integration for surfaces and volumes.

Prerequisites, Courses 1, 2, or their equivalent.

[5 and 6. Integral Calculus and Elliptic Functions. Text-book, with lectures and collateral reading. Both Semesters: three hours a week, at the convenience of instructor and students.]

Omitted in 1913-1914.

Courses of Instruction

7 and 8. Modern Methods in Pure and Analytic Geometry.
Both Semesters: three hours a week, at the convenience of instructor and students. PROFESSOR MOODY

Courses 5, 6 form a consecutive course throughout the year, and are given in alternation with Courses 7, 8.

Elective for those who have taken Courses 1, 2, 3, 4, or their equivalent.

MUSIC

MR. WASS

1. Music as an Art. First Semester: Tuesday, Thursday, Saturday, 8.30.

A general study of the development of the Art of Music, preparing one to understand and appreciate musical performances. Sound, musical sound, notation, rhythm, melody, harmony—their evolution and application to modern music. History of music, study of the great composers, their lives, works and influence upon the development of modern music. Frequent tests by written papers on assigned topics. No technical preparation requisite for this course.

Elective for Sophomores, Juniors and Seniors.

2. Continuation of Course 1. Second Semester: at the same hours.

Musical appreciation and history (advanced). Elements of Theory. Study of musical forms from listeners' standpoint. Assigned readings, oral tests and written reports.

Prerequisite, Course 1.

3. Harmony, Elementary. First Semester: Tuesday, Thursday, Saturday, 9.30.

Systematic study of intervals and chords, and their correct and effective use in four part harmony. Harmonization of melodies. Daily written exercises. Knowledge of notation necessary.

Elective for Sophomores, Juniors and Seniors.

4. Harmony, Advanced; Counterpoint, Elementary. Second Semester: at the same hours.

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Lectures and practical work. Collateral reading on history and biography. Study of musical forms with analyses. Study of evolution of music from the primitive folk-song to the symphony of Beethoven. Study of the clefs. Orchestral instruments. Ability to play four part harmony (like hymn tune) necessary.

Prerequisite, Course 3.

5. Counterpoint. First Semester: Tuesday, Thursday, Saturday, 10.30.

Lectures and practical work based on Spalding's Manual. Collateral reading on biography and theory. Study of contrapuntal works of the Masters with automatic instruments.

Elective for those who have passed Course 4 with a grade of B.

Chorus and Orchestra Classes.

Voluntary classes, meeting once a week during the Second Semester, designed to give all who sing, or play some instrument, an opportunity for practice and development in good music.

PHILOSOPHY AND PSYCHOLOGY

Philosophy

PRESIDENT HYDE AND PROFESSOR BURNETT

1. Introduction to Philosophy. First Semester: Monday, Wednesday, Friday, 8.30.

The problems of Philosophy will be taken up as they have been presented in the statements of modern philosophers from Descartes to Hegel.

2. Ethics. Second Semester: Monday, Wednesday, Friday, 8.30. PRESIDENT HYDE

Plato's Republic, Aristotle's Ethics, Mill's Utilitarianism, Perry's Moral Economy, Dewey and Tuft's Ethics, and Wright's Self-Realization.

Courses 1, 2 are elective for Juniors and Seniors.

[3. Philosophy and Idealism. Text-book, lectures and con-

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ferences. First Semester: Tuesday, Thursday, Saturday, 11.30.]

[4. Continuation of Course 3. Second Semester: at the same hours.]

PROFESSOR BURNETT

Omitted in 1913-1914; to be given in 1914-1915.

These courses aim at the intensive study of a particular philosophical system and the application of its methods in the attempted solution of the problems arising in a philosophical survey of the universe. The work of some important idealistic philosopher is used as a text and discussed in detail.

Prerequisites, Courses 1, 2, or their equivalent.

Psychology

PROFESSOR BURNETT

1. General Psychology. Text-book, lectures, conferences and supplementary reading. First Semester: Tuesday, Thursday, Saturday, 8.30.

2. Continuation of Course 1. Second Semester: at the same hours.

The aim of these courses is to acquaint the student with the facts and the laws of the mind. Emphasis is laid upon those topics which are most intimately connected with the practical life, and a knowledge of which is highly important for a man of liberal education. The subject-matter is treated from the point of view of natural science. Where possible, class-demonstrations are employed. A part of the time is devoted to experimental work.

Elective for Sophomores, Juniors and Seniors.

3. Social Psychology. First Semester: Tuesday, Thursday, Saturday, 11.30.

Given in 1913-1914; to be omitted in 1914-1915.

This course deals with the special mental phenomena occurring in men because they are members of a social group.

Prerequisites, Courses 1, 2.

4. Abnormal Psychology. Second Semester: Tuesday, Thursday, Saturday, 11.30.

Given in 1913-1914; to be omitted in 1914-1915.

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This course considers the abnormal facts of mental life, such as insanity, hypnotism and multiple personality.

Prerequisites, Courses 1, 2.

5. Practice Course in Experimental Psychology. First Semester: two laboratory periods of three hours each, at the convenience of instructor and students.

The object of this course is training in methods of investigation, in the discovery and reliance upon evidence, with especial reference to the particular application to the science of psychology. To this end the experiments of pioneer investigators are repeated, and some of the problems of the special senses, of apperception, association, feeling, volition, attention, are worked over in their wake.

Prerequisites, Courses 1, 2.

6. Special Laboratory Investigations. Second Semester.

A few students are admitted from Course 5 to assist the instructor in the conduct of original investigations. The hours are determined by consultation. Under certain circumstances this work may be continued for another year.

PHYSICS

PROFESSOR HUTCHINS

1. Elementary Physics: Mechanics and Heat. Lectures, recitations and laboratory work. Text-book: Reed and Guthe's College Physics. First Semester: Monday, Wednesday, 8.30; Friday, 8.30-10.30.

2. Continuation of Course 1. Electricity and Light. Second Semester: at the same hours.

Elective for those who have passed or are taking Mathematics 1, 2.

3. General Physics: Mechanics. Text-books: Millikan and other texts. First Semester: Monday, Wednesday, Friday, 1.30-3.30.

4. Heat. Text-books: Millikan and others. Second Semester: at the same hours.

Courses of Instruction

[5. Magnetism and Electricity. Text-book: Franklin and McNutt's Electricity. First Semester: Monday, Wednesday, Friday, 1.30-3.30.]

[6. Sound and Light. Text-book: Edser's Light. Second Semester: at the same hours.]

Omitted in 1913-1914.

Courses 3, 4, 5, 6 comprise two years' work in the subject of General Physics. They are designed to meet the requirements of students who are preparing to teach in secondary schools, or who are intending to pursue further work in graduate or technical schools. The work in these courses is largely experimental. Precision instruments are used and tested, and results are required from the use of apparatus constructed wholly or in part by the student. Courses 3, 4 are given in alternation with 5, 6.

Prerequisites, Courses 1, 2 or their equivalent.

SPANISH

MR. CLARK

1. Grammar, composition and reading. First Semester: Monday, Wednesday, Friday, 10.30.

2. Continuation of Course 1. Reading of modern prose. Second Semester: at the same hours.

SURVEYING AND DRAWING

ASSISTANT PROFESSOR ALVORD

Drawing

1. Mechanical Drawing. First Semester: Tuesday, Thursday, 1.30-4.00.

Lettering, dimensioning, working drawings.

Prerequisites, Mathematics 1, 2.

2. Descriptive Geometry. Second Semester: at the same hours.

Prerequisite, Drawing 1.

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Surveying

1. Surveying. First Semester: Tuesday, Thursday, 9.30–12.30.

2. Continuation of Course 1. Second Semester: at the same hours.

Field work with chain, tape, stadia, compass, level and transit. Computations, scale drawings, contour maps and profiles.

Elective for those who have passed or are taking Drawing 1.

COURSES IN THE MEDICAL SCHOOL

By vote of the Faculty, the work of the first year of the Medical School is accepted in place of the required courses of the Senior year in the College.

Students intending to avail themselves of this privilege are required to register in the College at the opening of the college year. They will then be excused from further attendance until the opening of the Medical School.

MEDICAL PREPARATORY COURSE

A course, not leading to a degree, has been established for students intending to study medicine.

The entrance requirements are the same as for the academic courses.

Students entering this course are required to make affirmation of their purpose to pursue their medical studies after completing the course, with a statement from parent or guardian to that effect, and with the understanding that change to regular standing in the College will be made only by special vote of the Faculty.

Students who remain but one year in this course are required to take: Chemistry 1, 2; Hygiene; Physics 1, 2; Zoölogy 1, 2; Mathematics 1, 2; French or German.

Courses of Instruction

Students who remain two years in this course are required to take: *First Year*: Chemistry 1, 2; English 1, 2, 4; Hygiene; Zoölogy 1, 2; Mathematics 1, 2. *Second Year*: Chemistry 3, 4; Zoölogy 3, 4; Physics 1, 2; French or German; and one elective.

Lectures

ANNIE TALBOT COLE LECTURESHIP

This lectureship was founded by Mrs. Calista Mayhew, of South Orange, N. J., in memory of her niece, Mrs. Samuel Valentine Cole, of Norton, Mass. The incumbent, appointed for one year, gives a series of lectures before the College. These lectures are open to the public. According to the provision of the donor, this lectureship is to "aim at contributing to the ennoblement and enrichment of life by standing for the idea that life is a glad opportunity. It shall, therefore, exhibit and endeavor to make attractive the highest ideals of character and conduct, and also, in so far as possible, foster an appreciation of the beautiful as revealed through nature, poetry, music and the fine arts."

BENJAMIN APTHORP GOULD FULLER LECTURESHIP

This lectureship, founded in 1911 in memory of Benjamin Apthorp Gould Fuller, A.M., of the Class of 1839, provides for instruction in Social Hygiene.

Bowdoin College

SCHEDULE OF COURSES

	8.30	9.30	10.30	11.30
Mon.	German 5 Math. I, Div. A Math. I, Div. C Phil. I Physics I	Art I English 13 French 3 Geology I Math. I, Div. B Math. I, Div. D Polit. Sci. I	Chemistry I Ger. I, Div. A History 7 Spanish I Zoölogy 5	French 5 French 7 History 5 Math. 3 Phys. Tr. I Polit. Sci. 3 Zoölogy 5
Tues.	Education 3 German 9 Greek I Latin 3 Math. I, Div. A Math. I, Div. C Music I Psych. I	Economics I Greek 7 Math. I, Div. B Math. I, Div. D Music 3 Surveying I Zoölogy 9	Economics 7 Eng. I, Div. A Ger. I, Div. A German 3 Greek 3 Latin I, Div. B Music 5 Surveying I	Economics 5 Eng. I, Div. B English 3 German 7 Latin I, Div. A Psych. 3 Surveying I
Wed.	German 5 Greek I Math. I, Div. A Math. I, Div. C Phil. I Physics I	Art I English 13 French 3 Geology I Math. I, Div. B Math. I, Div. D Polit. Sci. I	Chemistry I History 7 Spanish I Zoölogy 5	French 5 French 7 History 5 Math. 3 Phys. Tr. I Polit. Sci. 3 Zoölogy 5
Thurs.	Education 3 German 9 Hygiene Latin 3 Music I Psych. I.	Economics I Eng. I, Div. B Greek 7 Latin I, Div. A Music 3 Surveying I Zoölogy 9	Economics 7 Eng. I, Div. A Ger. I, Div. A German 3 Greek 3 Latin I, Div. B Music 5 Surveying I	Economics 5 English 3 German 7 Psych. 3 Phys. Tr. I Surveying I
Fri.	German 5 Greek I Math. I, Div. A Math. I, Div. C Phil. I Physics I	Art I English 13 French 3 Geology I Math. I, Div. B Math. I, Div. D Physics I Polit. Sci. I	Chemistry I Eng. I, Div. A Ger. I, Div. A History 7 Spanish I Latin I, Div. B Zoölogy 5	Eng. I, Div. B French 5 French 7 History 5 Latin I, Div. A Math. 3 Polit. Sci. 3 Zoölogy 5
Sat.	Education 3 German 9 Greek I Latin 3 Music I Psych. I	Economics I Greek 7 Latin I, Div. A Music 3 Zoölogy 9	Economics 7 Eng. I, Div. A German 3 Greek 3 Latin I, Div. B Music 5	Economics 5 Eng. I, Div. B English 3 German 7 Psych. 3

Schedule of Courses

FIRST SEMESTER, 1913-1914

	1.30	2.30	3.30	4.30
Mon.	Ger. 1, Div. B History 1 Physics 3 Zoölogy 1	Chemistry 3 French 1 Ger. 1, Div. C Greek A Physics 3	Phys. Tr. 2	Phys. Tr. 4
Tues.	Drawing 1 English 15 Ger. 1, Div. B	Drawing 1 Ger. 1, Div. C German 13 Greek A	Drawing 1 German 13	Phys. Tr. 3
Wed.	History 1 Physics 3 Zoölogy 1	Chemistry 3 French 1 Physics 3	Phys. Tr. 2	Phys. Tr. 4
Thurs.	Drawing 1 English 15 Ger. 1, Div. B	Chemistry 5 Drawing 1 English 5 Ger. 1, Div. C Greek A	Drawing 1 Phys. Tr. 2	Phys. Tr. 3
Fri.	English 15 Ger. 1, Div. B History 1 Physics 3 Zoölogy 1	Chemistry 3 French 1 Ger. 1, Div. C Greek A Physics 3	Phys. Tr. 3	Phys. Tr. 4

Tuesday evening 7.00-9.30, English 5.

Courses not scheduled are at the convenience of instructor and students.

Bowdoin College

SCHEDULE OF COURSES

	8.30	9.30	10.30	11.30
Mon.	Botany 1 German 6 Math. 2, Div. A Math. 2, Div. C Phil. 2 Physics 2	Art 2 Botany 1 English 14 French 4 Math. 2, Div. B Math. 2, Div. D Polit. Sci. 2	Chemistry 2 Ger. 1, Div. A History 8 Spanish 2 Zoölogy 6	French 6 French 8 History 6 Latin 8 Math. 4 Phys. Tr. 1 Zoölogy 6
Tues.	German 10 Greek 2 Math. 2, Div. A Math. 2, Div. C Mineralogy 1 Music 2 Psych. 2	Economics 2 Greek 8 Math. 2, Div. B Math. 2, Div. D Music 4 Surveying 2	Economics 6 Economics 8 Eng. 2, Div. A English 12 Ger. 1, Div. A German 4 Greek 4 Latin 2, Div. B Surveying 2	Economics 4a Eng. 2, Div. B English 10 German 8 Latin 2, Div. A Psych. 4 Surveying 2
Wed.	Botany 1 German 6 Greek 2 Math. 2, Div. A Math. 2, Div. C Phil. 2 Physics 2	Art 2 Botany 1 English 14 French 4 Math. 2, Div. B Math. 2, Div. D Polit. Sci. 2	Chemistry 2 History 8 Spanish 2 Zoölogy 6	French 6 French 8 History 6 Latin 8 Math. 4 Phys. Tr. 1 Zoölogy 6
Thurs.	German 10 Mineralogy 1 Music 2 Psych. 2	Economics 2 Eng. 2, Div. B Greek 8 Latin 2, Div. A Music 4 Surveying 2	Economics 6 Economics 8 Eng. 2, Div. A English 12 Ger. 1, Div. A German 4 Greek 4 Latin 2, Div. B Surveying 2	Economics 4a English 10 German 8 Psych. 4 Phys. Tr. 1 Surveying 2
Fri.	Botany 1 Eng. 4, Div. C German 6 Greek 2 Math. 2, Div. A Math. 2, Div. C Phil. 2 Physics 2	Art 2 Botany 1 Eng. 4, Div. E English 14 French 4 Math. 2, Div. B Math. 2, Div. D Physics 2 Polit. Sci. 2	Chemistry 2 Eng. 4, Div. D Ger. 1, Div. A History 8 Spanish 2 Latin 2, Div. B Zoölogy 6	Eng. 4, Div. F French 6 French 8 History 6 Latin 2, Div. A Latin 8 Math. 4 Zoölogy 6
Sat.	German 10 Greek 2 Mineralogy 1 Music 2 Psych. 2	Economics 2 Greek 8 Latin 2, Div. A Music 4	Economics 6 Economics 8 Eng. 2, Div. A German 4 Greek 4 Latin 2, Div. B	Economics 4a Eng. 2, Div. B English 10 German 8 Psych. 4

Schedule of Courses

SECOND SEMESTER, 1913-1914

	1.30	2.30	3.30	4.30
Mon.	Ger. 2, Div. B History 2 Physics 4 Zoölogy 2	Chemistry 4 Chemistry 6 French 2 Ger. 2, Div. C Greek B Physics 4	Phys. Tr. 2	Phys. Tr. 4
Tues.	Drawing 2 English 16 Ger. 2, Div. B Latin 4	Drawing 2 Ger. 2, Div. C German 14 Greek B	Drawing 2 German 14	Phys. Tr. 3
Wed.	History 2 Physics 4 Zoölogy 2	Chemistry 4 Chemistry 6 French 2 Physics 4	Phys. Tr. 2	Phys. Tr. 4
Thurs.	Drawing 2 English 16 Ger. 2, Div. B Latin 4	Chemistry 8 Drawing 2 English 6 Ger. 2, Div. C Greek B	Drawing 2 Phys. Tr. 4	Phys. Tr. 3
Fri.	English 16 Ger. 2, Div. B History 2 Physics 4 Zoölogy 2	Chemistry 4 Chemistry 6 French 2 Ger. 2, Div. C Greek B Physics 4	Phys. Tr. 3	Phys. Tr. 4

Tuesday evening 7.00-9.30, English 6.

Courses not scheduled are at the convenience of instructor and students.

Resources and Equipment

RESOURCES

The interest bearing funds of Bowdoin College, including \$188,000.00 belonging to the Medical School of Maine, at the close of each fiscal year for the last five years were as follows:—

May 10, 1909, \$1,862,560.19	Mar. 30, 1912, \$2,149,485.86
May 10, 1910, 2,017,733.79	Mar. 31, 1913, 2,210,503.96
May 10, 1911, 2,126,832.30	

During the fiscal year ending Mar. 31, 1913 the expenditure for Faculty Salaries amounted to \$59,718.00, for Books for the College Library, \$5,235.00 and for Scholarship Aid, \$12,416.00.

THE COLLEGE BUILDINGS

There are fourteen college buildings: Massachusetts Hall, the administrative building; Maine Hall, Winthrop Hall and Appleton Hall, the dormitories; the Chapel; Seth Adams Hall and Memorial Hall, recitation buildings; Sargent Gymnasium, now used in part for the central heating and lighting plant; the Observatory; the Walker Art Building; the Mary Frances Searles Science Building; Hubbard Hall, the library building; the Hubbard Grand-Stand and athletic quarters; and the Gymnasium and General Thomas Worcester Hyde Athletic Building.

These buildings and their equipment are described and illustrated in a pamphlet which will be sent gratis upon application to the Dean.

Administration of the College

TERMS AND VACATIONS

The Academic Year is divided into two Semesters, or terms, of equal length. Commencement Day is the fourth Thursday of June. The Summer Vacation of thirteen weeks follows Com-

Administration of the College

mencement Day. There are two periods of vacation during the year: the first, a recess of about ten days including Christmas and New Year's; the second, the Easter recess of about ten days at or near the first of April. The following are also observed as holidays: Columbus Day, Thanksgiving Day, Washington's Birthday, Patriots' Day, Memorial Day and Ivy Day.

REGISTRATION

All students are required to register on the first day of each Semester, except that Freshmen on entering college are required to register on Wednesday afternoon preceding the opening of the academic year. A fee of two dollars is charged for registration after the opening day.

COLLEGE BILLS

Bills, containing college charges, are mailed to the parent or guardian of each student at the close of each Semester; these bills become payable at once.

No student will be advanced in class standing until all the dues of the previous year have been paid; and no degrees will be conferred upon students who have not paid all their dues to the College.

No student will be dismissed from college on request unless he shall have paid all his college bills, including that of the current Semester.

During the time that term bills which are overdue remain unpaid a student receives no credit for college work.

ESTIMATED EXPENSES

The following table exhibits three scales of annual expenditure. Room rent, heat, and light are estimated on the supposition that two students occupy the same room, thus materially reducing the expense. No attempt is made to estimate such expenses as furniture, traveling expenses, class dues, athletic sub-

Bowdoin College

scriptions, and fraternity fees, since the taste and character of individual students vary to such a degree that all such estimates are of little value.

	Lowest	Average	Liberal
*Tuition	\$75.00	\$75.00	\$75.00
Incidental college charges	12.00	12.00	12.00
Room rent (two persons sharing a room)	36.00	40.00	54.00
Lighting (\$6 per lamp per year) . .	6.00	12.00	18.00
Board (thirty-six weeks, \$4 to \$5) . .	144.00	162.00	180.00
Books and stationery	10.00	20.00	40.00
Washing	10.00	18.00	27.00
	<hr/>	<hr/>	<hr/>
	\$293.00	\$339.00	\$406.00

Rooms, including their daily care, in the college dormitories may be rented at prices varying from \$36 to \$54 a year for each occupant where two share the room. The price is doubled for a single occupant. The item of steam heat is included. Electric lights are furnished at the rate of \$6 per 16 c.p. lamp per year. None of the college rooms are furnished. Application for rooms should be made to the Treasurer.

A pamphlet on expenses, scholarship aid and self-help has been prepared, which will be sent gratis on application to the Dean.

FEES FOR EXTRA COURSES

The payment of fees for extra courses is regulated by the following provisions:

(1) The sum of seven dollars and a half (\$7.50) is charged for each extra course (save as provided in 4, below), the same to be paid in advance and to be rebated at the close of the Semester in which the course is taken, provided the four regular courses and the extra course be passed, and the extra course be not taken to remove a condition previously incurred in that subject or substituted for a condition in some other subject. (2)

*In and after 1914-1915 the charge for tuition will be \$100.00 per year, and incidental college charges will be reduced to \$6.50.

Administration of the College

Such charges are remitted in the case of the two required fifth courses, provided these be not taken prior to Senior year. (3) Courses repeated for the removal of a condition and courses substituted for such conditions are regarded as extra courses. (4) For each of the three subjects in Freshman Mathematics, and for Hygiene and English 4, the charge is pro rata whenever these subjects are in question under the preceding provisions.

ATTENDANCE AT EXERCISES

Attendance is required of all students at recitations and lectures continuously throughout the Semester, and at the daily college prayers which are held on each week day at 8.20 A. M., and on Sundays at 5 P. M.

EXAMINATIONS

The regular examinations of the College are held at the close of each Semester.

An unexcused absence from an examination entails a mark of zero. In case of illness or other unavoidable cause of absence from examination, the Dean has power to suspend the action of this rule.

RANK

The rank of a student in each course is computed on a scale of ten (10), but is preserved on the college records in the letters A, B, C, D and E. A signifies a rank from 9 to 10; B, a rank from 8 to 9; C, a rank from 7 to 8; D, a rank from 6 to 7; E, a rank lower than 6, and a condition.

REPORTS OF STANDING

A report of the rank of each student is sent to his parent or guardian at the close of each Semester. The report contains a statement of the standing of the student in each of his courses, together with the number of unexcused absences from chapel.

Bowdoin College

REQUIREMENTS FOR DEGREES

In order to be recommended for the degree of Bachelor of Arts or Bachelor of Science, a candidate must have passed thirty-four courses,—a course is a subject pursued for one Semester,—together with English 4, Hygiene and four courses in Physical Training. He must, moreover, have attained a grade of C or higher in half his courses.

The degree of Master of Arts is conferred upon those graduates of the College who, after taking the Bachelor's degree, complete an approved course of advanced study. The requirements for the Master's degree consist of a full year's residence devoted to such advanced study under the guidance of one or more members of the college Faculty, and a written and oral examination at the completion of this work.

DEGREES WITH DISTINCTION

The Degree of Bachelor of Arts or Bachelor of Science with Distinction is awarded in three grades:

Cum Laude. A candidate is recommended for a degree *cum laude* who has obtained a grade of A or B in seven-eighths of his courses.

Magna cum Laude. A candidate is recommended for a degree *magna cum laude* who has obtained a grade of A in three-fourths, and B in another eighth of his courses.

Summa cum Laude. A candidate is recommended for a degree *summa cum laude* who has obtained a grade of A in seven-eighths of his courses. A candidate for a degree *summa cum laude* must have been in residence at Bowdoin College at least three years.

RELIGIOUS EXERCISES

Prayers are held each morning except Sunday in the college Chapel, and a vesper service is held on Sunday. All students are required to be present. From time to time during the year prominent clergymen of various denominations come to Bruns-

Administration of the College

wick as College Preachers. They occupy the pulpit of the First Parish Church in the morning and speak in the college Chapel in the afternoon.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Young Men's Christian Association is an un-denominational student organization, membership in which is open to every undergraduate. This year seventy per cent of the students are enrolled as members.

The Y. M. C. A. stands definitely for a life governed by the principles of Christ as interpreted to meet the actual needs of college men. Membership includes the desire to be disciples of Jesus Christ in life and service.

The Association conducts many lines of work. Occasional meetings are addressed by prominent ministers and laymen from out of town, and members of the Faculty and Alumni. A series of addresses is given upon some practical subject, such as "The Church at Work," or "Christianity and the Social Problems." Each College Preacher meets informally the students of the college at one of the fraternity houses, on the Sunday evening of his visit.

The students meet in informal groups for Bible and Mission study. The leaders of these groups are trained in normal classes which are conducted by members of the Faculty.

The Association partially supports, as the Bowdoin Missionary in India, A. S. Hiwale, of the Class of 1909. The social service activities include a Sunday School in a near-by town, a Gymnasium class for Brunswick boys, collection of clothing and magazines for charitable institutions, a Text-book Loan Library for needy students, and an Employment Bureau conducted by the General Secretary.

The Association has the services of a General Secretary whose office is in Hubbard Hall. All students are welcome to consult him about any matter in which he can be of service.

Bowdoin College

BOARD OF PROCTORS

The maintenance of order in the dormitories and the responsibility for their proper care are vested in a Board of Proctors. The members for the year 1913-1914 are:

The DEAN, *Chairman*

Louis Augustin Donahue	Elroy Osborne LaCasce
George Franklin Eaton	Robert Devore Leigh
Alfred Everett Gray	Paul Lambert White

STUDENT COUNCIL

The Student Council is composed of ten members from the Senior class and two from the Junior class elected annually by the undergraduates. In matters pertaining to student affairs it makes recommendations to the student body, and occasionally to the Faculty. The members for the year 1913-1914 are:

Robert Devore Leigh, *President*

Alfred Everett Gray, *Secretary*

Clarence Arthur Brown	Earle Spaulding Thompson
Francis Xavier Callahan	Neal Tuttle
Louis Augustin Donahue	Robert Thomas Weatherill
George Franklin Eaton	Austin Harbutt MacCormick
Elroy Osborne LaCasce	George Arthur McWilliams

ATHLETIC COUNCIL

The regulation of the athletic interests of the College is accomplished by the Athletic Council of the general Athletic Association of Bowdoin College. It consists of twelve members, two of whom are chosen from the Faculty of the College, and five each from the alumni and student bodies. The members for the year 1913-1914 are as follows:

Alumni

Students

Chas. Taylor Hawes, <i>Chairman</i>	Elroy Osborne LaCasce
Franklin Conant Payson	Robert Thomas Weatherill

Administration of the College

Barrett Potter

George Colby Purington

Donald Cameron White

Albion Keith Eaton

Philip Sidney Smith

Guy Whitman Leadbetter

Faculty

Professor Frank Nathaniel Whittier

Professor Manton Copeland

FRATERNITY LIFE

The students of the College have divided themselves into nine groups for the purposes of social and personal relations. Eight of these groups are chapters of national Greek-letter societies. The Bowdoin Club, established last year in one of the college houses, gives an opportunity for all others to enjoy many of the social and home-like advantages of fraternity life.

MEDICAL ATTENDANCE

A fund of \$1,000, given by Mr. and Mrs. GEORGE F. GODFREY, of Bangor, in memory of their son, HENRY PRENTISS GODFREY, is devoted to providing medical attendance for students who may be sick while in college.

In case of illness students should immediately call upon or summon the college physician, Dr. Whittier, whose office is in Adams Hall.

Scholarships

By the recent bequest of Joseph Edward Merrill, of the Class of 1854, \$4,000 annually has been added to the amount distributed to students in the form of scholarships. At present the total amount devoted to scholarships and prizes in aid of meritorious students of slender means is over \$12,000 annually.

Applications for scholarships must be made upon blank forms furnished at the office of the Treasurer of the College. They

Bowdoin College

must be made out anew each year; signed by both the student and his parent or guardian; and deposited in the Treasurer's office before November 15th.

LAWRENCE FOUNDATION. A fund of \$6,000, given by Mrs. AMOS LAWRENCE of Massachusetts, the income to be annually appropriated for the whole or a part of the tuition of meritorious students who may need pecuniary assistance, preference being given to those who shall enter the College from Lawrence Academy, at Groton, Mass. (1847)

BROWN MEMORIAL SCHOLARSHIPS. A fund for the support of four scholarships in Bowdoin College, given by Hon. J. B. BROWN of Portland, in memory of his son, JAMES OLCOTT BROWN, A.M., of the Class of 1856. According to the provisions of this foundation, there will be paid annually the income of one thousand dollars to the best scholar in each undergraduate class who shall have graduated at the High School in Portland after having been a member thereof not less than one year. (1865)

ALFRED JOHNSON SCHOLARSHIPS. Three scholarships of \$1,000 each, founded by ALFRED WALDO JOHNSON of Belfast, of the Class of 1845, in memory of his grandfather, Rev. ALFRED JOHNSON, and his father, Hon. ALFRED JOHNSON. (1870)

WILLIAM B. SEWALL SCHOLARSHIP. A scholarship of \$1,000 founded by Mrs. MARIA M. SEWALL, in memory of her husband, WILLIAM B. SEWALL, Esq. (1870)

STEPHEN SEWALL SCHOLARSHIP. A scholarship of \$1,000, given by Deacon STEPHEN SEWALL of Winthrop. (1871)

SHEPLEY SCHOLARSHIP. A fund of \$1,000, given by Hon. ETHER SHEPLEY, LL.D., of Portland, late Chief Justice of the Supreme Court of Maine. (1871)

MARY L. SAVAGE MEMORIAL SCHOLARSHIP. A scholarship of \$1,000, founded by Rev. WILLIAM T. SAVAGE, D.D., of Quincy, Ill., in memory of his wife, MARY L. SAVAGE. (1872)

AND EMERSON SCHOLARSHIPS. A fund amounting at present to \$7,000, given by AND EMERSON, Esq., of Boston, through Rev. EDWIN BONAPARTE WEBB, D.D. (1875)

BENJAMIN DELANO SCHOLARSHIP. A scholarship of \$1,000,

Scholarships

bequeathed by Captain BENJAMIN DELANO of Bath. (1877)

The income of the preceding five scholarships is to be appropriated for the aid of students preparing to enter the ministry of the Evangelical Trinitarian churches.

MARY CLEAVES SCHOLARSHIPS. Three scholarships of \$1,000 each, founded by the will of Miss MARY CLEAVES. (1871)

JOHN C. DODGE SCHOLARSHIP. A fund of \$1,000, given by Hon. JOHN C. DODGE, LL.D. (1872)

CRAM MEMORIAL SCHOLARSHIP. A scholarship of \$1,000, founded by Hon. MARSHALL CRAM of Brunswick, in memory of his son, NELSON PERLEY CRAM, of the Class of 1861, who lost his life in the service of his country. (1872)

CHARLES DUMMER SCHOLARSHIPS. A fund of \$6,000, given by Mrs. ALMIRA C. DUMMER, in memory of her husband, CHARLES DUMMER, A.M., who was for many years a member of the Board of Overseers. (1874)

BUXTON SCHOLARSHIP. A fund at present amounting to \$3,800, contributed by CYRUS WOODMAN, Esq., of Cambridge, Mass., to aid deserving students, preference being given to natives and residents of Buxton. (1875)

JUSTUS CHARLES FUND. A fund established by the will of JUSTUS CHARLES of Fryeburg, for such indigent students as, in the opinion of the President, are most meritorious, deserving and needy. (1875)

W. W. THOMAS SCHOLARSHIPS. Six scholarships of \$1,000 each, founded by Hon. W. W. THOMAS of Portland, to be awarded under certain conditions. (1875)

PIERCE SCHOLARSHIP. A scholarship of \$1,000, bequeathed by Mrs. LYDIA PIERCE of Brunswick, in memory of her son, ELIAS D. PIERCE. (1878)

G. W. FIELD SCHOLARSHIPS. Two scholarships of \$2,000 each, given by Rev. GEORGE W. FIELD, D.D., of Bangor, of the Class of 1837. In awarding the scholarships, preference is to be given, first, to students or graduates of the Bangor Theological Seminary, and second, to graduates of the Bangor High School.

(1881)

Bowdoin College

BLAKE SCHOLARSHIP. A fund of \$4,000, bequeathed by Mrs. NOAH WOODS, of Bangor, in memory of her son, WILLIAM A. BLAKE, of the Class of 1873. (1882)

MOSES R. LUDWIG AND ALBERT F. THOMAS SCHOLARSHIP. Founded by Mrs. HANNAH C. LUDWIG of Thomaston. (1884)

JAMES MEANS SCHOLARSHIP. A scholarship of \$2,000, given by WILLIAM G. MEANS, Esq., of Andover, Mass., in memory of his brother, Rev. JAMES MEANS, of the Class of 1833, who died in the service of his country. (1885)

HULDAH WHITMORE SCHOLARSHIPS. Two scholarships of \$2,500 each, given by Hon. WILLIAM GRISWOLD BARROWS, LL.D., of Brunswick, in memory of his wife, to be awarded by the President under certain conditions. (1887)

NATHANIEL McLELLAN WHITMORE SCHOLARSHIP AND GEORGE SIDNEY WHITMORE SCHOLARSHIP. Two scholarships of \$1,000 each, given by Mrs. MARY J. WHITMORE, in memory of her sons, NATHANIEL McLELLAN WHITMORE, of the Class of 1854, and GEORGE SIDNEY WHITMORE, of the Class of 1856. (1887)

GEORGE FRANKLIN BOURNE SCHOLARSHIP. A scholarship of \$1,000, given by Mrs. NARCISSA SEWALL BOURNE, of Winthrop. (1887)

LOCKWOOD SCHOLARSHIP. A scholarship of \$1,000, established by Mrs. SARAH F. LOCKWOOD in memory of Hon. AMOS DeFOREST LOCKWOOD, a former treasurer of the College. (1888)

WILLIAM LITTLE GERRISH SCHOLARSHIP. A scholarship of \$1,000, given by Dr. FREDERIC H. GERRISH, LL.D., in memory of his brother, WILLIAM LITTLE GERRISH, of the Class of 1864. (1890)

GARCELON AND MERRITT FUND. The sum of \$1,000 from the income of the GARCELON AND MERRITT FUND is appropriated for the aid of worthy students. (1891)

CYRUS WOODMAN TRUST FUND. A fund, now amounting to \$35,000, established by CYRUS WOODMAN, Esq., of the Class of 1836, one-half of the income of which is appropriated for scholarships. (1891)

JOSEPH N. FISKE SCHOLARSHIP. A scholarship of \$1,000

Scholarships

given by Mrs. CHARLOTTE M. FISKE of Boston, in memory of her husband. (1896)

JOSEPH LAMBERT FUND. A bequest of \$1,000 by Mrs. ANN E. LAMBERT, of Jamaica Plain, Mass. (1896)

CROSBY STUART NOYES SCHOLARSHIPS. Two scholarships of \$2,000 each, established by CROSBY S. NOYES, A.M., of Washington, D. C. In awarding these, preference is to be given to natives or residents of Minot. (1897)

HENRY T. CHEEVER SCHOLARSHIP. A scholarship of \$500, given by Rev. HENRY T. CHEEVER, D.D., of Worcester, Mass., to be awarded by the President under certain conditions. (1897)

MOSES M. BUTLER SCHOLARSHIPS. A fund of \$10,000 given by Mrs. OLIVE M. BUTLER, of Portland, in memory of her husband, MOSES M. BUTLER, of the Class of 1845, to establish four scholarships. (1902)

STANWOOD ALEXANDER SCHOLARSHIP. A scholarship of \$2,500, given by Hon. DEALVA S. ALEXANDER, of Buffalo, N. Y., of the Class of 1870, in memory of his father, STANWOOD ALEXANDER, of Richmond, Maine, to be awarded under certain conditions. (1902)

JOHN PRESCOTT WEBBER, JR., SCHOLARSHIP. A sum of \$2,500, given by JOHN P. WEBBER, Esq., of Boston, Mass., in memory of his son, JOHN PRESCOTT WEBBER, JR., of the Class of 1903. (1902)

ELLEN J. WHITMORE SCHOLARSHIP. A scholarship of \$2,000, given by Miss ELLEN J. WHITMORE, of Brunswick. (1902)

CYRUS WOODMAN SCHOLARSHIPS. A fund now amounting to \$3,400, given by Miss MARY WOODMAN, of Cambridge, Mass., to establish one or more scholarships in memory of her father. (1902)

FRED WHITNEY FLOOD SCHOLARSHIP. The sum of \$100 is given each year by LOUIS CLINTON HATCH, Ph.D., of Bangor, of the Class of 1895, as a scholarship in memory of his collegemate, FRED WHITNEY FLOOD. (1902)

WILLIAM LAW SYMONDS SCHOLARSHIP. A fund of \$3,000, founded by his family in memory of WILLIAM LAW SYMONDS, of

Bowdoin College

the Class of 1854; the income to be applied by the Faculty in aid of Bowdoin students, preference to be given to those showing tendency to excellence in Literature. (1902)

CLASS OF 1872 SCHOLARSHIP. A fund of \$2,500 given by the Class of 1872. (1902)

CHARLES M. CUMSTON SCHOLARSHIP. A fund of \$23,850, given by CHARLES McLAUGHLIN CUMSTON, LL.D., of the Class of 1843, the income to be given preferably to graduates of the English High School of Boston. (1903)

ALBION HOWE MEMORIAL LOAN FUND. A sum of \$1,200 given by LUCIAN HOWE, M.D., of Buffalo, N. Y., for the establishment of a loan fund in memory of his brother, ALBION HOWE, of the Class of 1861. (1903)

CLASS OF 1881 SCHOLARSHIP. A fund of \$2,000 given by the Class of 1881. (1907)

RICHARD ALMY LEE SCHOLARSHIP. A scholarship providing for the tuition of one student. Established by ELIZABETH ALMY LEE in memory of her son, a Senior of the Class of 1908, who, with his friend and companion, John Franklin Morrison, of the same class, lost his life, July 9, 1907, while on a pleasure cruise along the coast. In making the award preference will be shown to the Beta Theta Pi Fraternity. (1908)

ANNIE E. PURINTON SCHOLARSHIP. A fund of \$5,000 given by Mrs. D. WEBSTER KING in memory of her sister, Miss ANNIE E. PURINTON, for the establishment of a scholarship "the income thereof to be used to assist some deserving student through his college course, preference being given to a Topsham or Brunswick boy." (1908)

GEORGE P. DAVENPORT LOAN AND TRUST FUND. A sum of \$533.68 given by GEORGE P. DAVENPORT, A.M., of Bath, Maine, for the establishment of a loan fund. (1908)

JOSEPH E. MERRILL SCHOLARSHIPS. Four thousand dollars per year, from the income of the JOSEPH E. MERRILL FUND to assist needy and deserving American-born young men, preference being given to those born in the State of Maine, in securing an education at Bowdoin College. (1908)

Scholarships

EDWARD HENRY NEWBEGIN SCHOLARSHIP. A fund of \$1,500 given by HENRY NEWBEGIN, A.M., of the Class of 1857, to establish a scholarship in memory of his son, Rev. EDWARD HENRY NEWBEGIN, of the Class of 1891. To be awarded under certain conditions. (1909)

RICHARD WOODHULL SCHOLARSHIP. The sum of \$10,000 given by Mrs. MARY E. W. PERRY to found and maintain a scholarship to be named for her father, Rev. RICHARD WOODHULL, of the Class of 1827, preference to be given to his descendants. (1911)

DANA ESTES SCHOLARSHIP. A bequest of \$2,500 from DANA ESTES, A.M., late of Brookline, Mass. (1911)

EDWARD F. MOODY SCHOLARSHIP. A bequest of \$2,000 from Miss INEZ A. BLANCHARD of Portland, the income to be given to one or more meritorious students for proficiency in chemistry. (1911)

Graduate Scholarships

CHARLES CARROLL EVERETT SCHOLARSHIP. Certain real estate in Brunswick, in trust, the net income of which is given to that member of the graduating class of Bowdoin College whom the President and Trustees shall deem the best qualified to take a post-graduate course in either this or some other country. (1903)

HENRY W. LONGFELLOW GRADUATE SCHOLARSHIP. A fund of \$10,000 given by the daughters of HENRY W. LONGFELLOW—Miss Alice M. Longfellow, Mrs. Edith L. Dana, and Mrs. Anne L. Thorp—for a graduate scholarship “that would enable a student, after graduation, to pursue graduate work in some other college, or abroad, if considered desirable; the work to be done in English, or general literature, and the field to be as large as possible—Belles Lettres in a wide sense. The student to be selected should be some one not merely proficient in some specialty, or with high marks, but with real ability in the subject, and capable of profiting by the advanced work, and of developing in the best way.” (1907)

Bowdoin College

Prizes

DAVID SEWALL PREMIUM. A prize amounting to Ten Dollars is awarded annually to a member of the Freshman class for excellence in English Composition. (1795)

CLASS OF 1868 PRIZE. A prize of Thirty-five Dollars, contributed by the Class of 1868, is given annually to the author of the best written and spoken oration in the Senior class. (1868)

SMYTH MATHEMATICAL PRIZE. A fund of \$6,500, the gift of HENRY J. FURBER, Esq., of Chicago, named by him in honor of Professor WILLIAM SMYTH. From the present income of the fund \$300 is given to that student in each Sophomore class who obtains the highest rank in the mathematical studies of the first two years. The rank is determined mainly by the daily recitations; but the Faculty may at its discretion order a special examination, the result of which will be combined with the recitation rank. The successful candidate receives \$100 at the time the award is made. The remaining \$200 is paid to him in instalments at the close of each term during Junior and Senior years. If a vacancy occurs during those years, the next in rank secures the benefit of the prize for the remainder of the time. (1876)

SEWALL GREEK PRIZE. A prize of Twenty-five Dollars, given by Professor JOTHAM BRADBURY SEWALL, of Brookline, Mass., of the Class of 1848, formerly Professor of Greek in the College, is awarded to the member of the Sophomore class who sustains the best examination in Greek. (1879)

SEWALL LATIN PRIZE. A prize of Twenty-five Dollars, also given by Professor SEWALL, is awarded to the member of the Sophomore class who sustains the best examination in Latin. (1879)

GOODWIN COMMENCEMENT PRIZE. A prize of Fifty Dollars, given by Rev. Dr. DANIEL RAYNES GOODWIN, of Philadelphia, of the Class of 1832, is awarded each year to the author of the best Commencement Part. (1882)

PRAY ENGLISH PRIZE. A prize of Forty-five Dollars, given by

Prizes

Dr. THOMAS J. W. PRAY, of Dover, N. H., of the Class of 1844, is awarded each year to the best scholar in English Literature and original English Composition. (1889)

GOODWIN FRENCH PRIZE. A prize of Twenty-five Dollars, given by Rev. DANIEL RAYNES GOODWIN, is awarded annually to the best scholar in French. (1890)

NOYES POLITICAL ECONOMY PRIZE. This prize, consisting of the annual income of \$1,000, was established by CROSBY STUART NOYES, A.M., and is awarded to the best scholar in Political Economy. (1897)

BROWN COMPOSITION PRIZES. Two prizes, one of Thirty Dollars and one of Twenty Dollars, established by Mr. PHILIP G. BROWN, of the Class of 1877, in memory of PHILIP HENRY BROWN, Esq., of Portland, of the Class of 1851, are offered to the Senior class for excellence in Extemporaneous English Composition. (1901)

CLASS OF 1875 PRIZE IN AMERICAN HISTORY. This prize, consisting of the annual income of three thousand dollars, was established by WILLIAM J. CURTIS, of New York City, of the Class of 1875, and will be awarded to the student who writes the best essay and passes the best examination on some assigned subject in American History. (1901)

BRADBURY DEBATING PRIZES. Prizes amounting to Sixty Dollars, given by Hon. JAMES WARE BRADBURY, LL.D., of the Class of 1825, are awarded each year for excellence in debating. (1901)

HAWTHORNE PRIZE. A prize of Forty Dollars, given by Mrs. GEORGE C. RIGGS (Kate Douglas Wiggin), of New York, is awarded each year to the author of the best short story. The competition is open to members of the Sophomore, Junior and Senior classes. (1903)

ALEXANDER PRIZE FUND. This fund was established by Hon. DEALVA S. ALEXANDER, of the Class of 1870, to furnish two prizes of Twenty Dollars and Ten Dollars for excellence in select declamation. Competition is open to Freshmen, Sophomores and Juniors. (1905)

PHILO SHERMAN BENNETT PRIZE FUND. This fund was es-

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tablished by Hon. W. J. BRYAN from trust funds of the estate of the late PHILO SHERMAN BENNETT, of New Haven, Connecticut, the proceeds to be used for a prize for the best essay discussing the principles of free government. Competition is open to Juniors and Seniors. (1905)

ALMON GOODWIN PRIZE FUND. This fund of \$1,000 was established by Mrs. MAUD WILDER GOODWIN, in memory of her husband, ALMON GOODWIN, of the Class of 1862. The annual income is awarded to a Phi Beta Kappa man to be chosen by vote of the Trustees of the College at the end of the recipient's Junior year. (1906)

HILAND LOCKWOOD FAIRBANKS PRIZE FUND. This fund of \$2,000 was established by Captain HENRY N. FAIRBANKS, of Bangor, in memory of his son, HILAND LOCKWOOD FAIRBANKS, of the Class of 1895. One-half of the annual income is awarded for excellence of work in debating (English 5, 6) throughout the year; one-fourth is awarded as two prizes of Fifteen Dollars and Ten Dollars for excellence of work in declamation (English 4) during the second Semester; and the remaining fourth is left at the disposal of the English Department for the promotion of interest in public speaking. (1909)

Physical Training

The Gymnasium and General Thomas Worcester Hyde Athletic Building together form one of the largest and best adapted equipments for physical training in the country.

The Gymnasium has a frontage of 80 feet and a depth of 140 feet. On the first floor are the lockers, dressing rooms, managers' and instructors' rooms, and rooms for boxing, fencing and hand-ball. On the second floor is the main exercising room 112 feet by 76 feet, a smaller exercising room, a trophy room and offices.

The building is equipped with the most approved apparatus,

The Art Collections

is heated and lighted by modern methods, and is supplied with a ventilating system able to change the air throughout the building every twenty minutes.

The General Thomas Worcester Hyde Athletic Building is connected with the Gymnasium. It has a ground floor 160 feet by 120 feet, and a one-twelfth mile running track ten feet wide. In this building are set off spaces 120 feet by 40 feet for track athletics and 120 feet by 120 feet for a full sized baseball diamond with space to over-run the bases by nearly fifteen feet.

A straight path through the pine grove in the rear of the campus leads from the gymnasium a short distance to the Whittier Athletic Field. This field, named in honor of Dr. Frank Nathaniel Whittier, the present director of the gymnasium, who was largely instrumental in the acquisition and preparation of it for athletic purposes, is about five acres in extent, and is well adapted in all respects for baseball, football, and track athletics.

The Art Collections

The art treasures of the College,—except the portraits and busts in Memorial Hall and the mural paintings in King Chapel,—are exhibited in the Walker Art Building. This building was designed by Messrs. McKim, Mead and White and erected by the Misses Harriet and Sophia Walker of Waltham, Massachusetts, as a memorial of their uncle, Theophilus Wheeler Walker.

The main entrance consists of a loggia, in front of which, and supporting the wall above, are six Ionic columns of stone. Niches in the front wall of the building on either side of the loggia contain bronze copies, by De Angelis, of Naples, of the classical statutes of Demosthenes and Sophocles. Pedestals on either side of the ascent to the loggia are surmounted by copies in stone of the lions of the Loggia dei Lanzi.

The entrance from the loggia is to the Sculpture Hall, occupying the central portion of the building, beneath a dome which

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rises to the height of forty-seven feet, and furnishes light to the apartment through a skylight at the top. The four tympana below the dome, each twenty-six feet in width, are filled with four paintings symbolizing the artistic achievements of Athens, Rome, Florence and Venice, executed by Messrs. John La Farge, Elihu Vedder, Abbott Thayer and Kenyon Cox, respectively. Casts of classical figures and groups of statuary are exhibited in this room.

The Bowdoin, Boyd and Sophia Wheeler Walker Galleries are entered from three sides of the Sculpture Hall. The Bowdoin Gallery contains chiefly the collection of about one hundred paintings, and one hundred and fifty original drawings by old and modern masters bequeathed to the College by Honorable James Bowdoin, and a series of portraits of the presidents and distinguished benefactors of the College. The Boyd Gallery contains, mainly, the collection of paintings bequeathed by Colonel George W. Boyd, of the Class of 1810, a collection of Japanese and Chinese works of art, in part owned by the College and in part loaned by Professor William A. Houghton, a collection of objects of Oriental Art given by David S. Cowles, Esq., the Virginia Dox collection of objects of native American art, a collection of original Classical Antiquities from Mycenaean to Roman times given by Mr. Edward P. Warren, and collections given or loaned by Mr. George W. Hammond, Mrs. Levi C. Wade, Hon. Harold M. Sewall, Mr. Dana Estes, and other friends of the College. The Sophia Wheeler Walker Gallery contains exclusively works of art given by the Misses Walker, being chiefly specimens of ancient glass, Roman sculpture, old Flemish tapestry, Oriental ivory carvings, miniatures, etc., with paintings and drawings by modern artists of the foremost rank, and a bronze relief portrait, by French, of Theophilus Wheeler Walker.

In the basement are a lecture room, and a room of Assyrian sculpture. The lecture room is decorated by a loan collection of marbles, bronzes, paintings, etchings, porcelains and large framed photographs, placed here by Mrs. White in memory of

The Library

her husband, Percival W. White and son, Richard F. White, of the Class of 1912.

The building is open to visitors throughout the year; on weekdays from 10 A. M. to 12.30 P. M., and from 1.30 to 4.00 P. M., and on Sundays from 1.30 to 4.30 P. M.

The Library

The Library contains 105,000 volumes and several thousand unbound pamphlets. It includes the private library of Hon. James Bowdoin, received after his death in 1811, the library of the Medical School of Maine, established in 1820, the extensive collections of the Peucinian and Athenæan Societies, added in 1880, and valued donations received from numerous institutions and individuals during the century of its existence. A large proportion of its contents, however, has been purchased within the last two decades with a view to aid the work of instruction by supplying both teachers and students with the best books and the leading periodicals in the various departments of the curriculum.

Attention has been directed, also, towards the building up of a complete and attractive library of general reference in which the literature of the present, as well as of the past, is given its proper place, and which shall serve as an active agent in the attainment of liberal culture. This portion of the library, containing upwards of ten thousand volumes, is arranged in the spacious and well-lighted room at the east end of Hubbard Hall. The corresponding room on the west is given to some six thousand bound volumes of magazines that are indexed in Poole's Index to Periodical Literature, and to the current periodicals, of which the library receives about two hundred. Adjacent is a special reading-room for the daily newspapers.

The entire collection is classified by the Decimal Classification and is supplied with a dictionary card catalogue. The library is a depository of the catalogue cards issued by the Library of Congress and this bibliographical collection of increas-

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ing value and serviceableness can be consulted by any investigator. Though no formal instruction in bibliography is given, the librarian and his assistants are ready to lend personal aid to inquirers.

During term time, the library is open week-days from 8.30 A. M. to 5.30 P. M., and from 6.45 to 9.45 P. M., and Sundays from 2.00 to 4.50 P. M. In vacation it is also open daily, with the exception of Sundays and holidays. Students are allowed to borrow three books at a time, and to retain them, if needed, four weeks. The privileges of the library are extended to graduates and to clergymen, also to any persons on recommendation of the Library Committee.

Annual accessions, which average three thousand volumes, are made to the library by means of an appropriation of the Boards for the purpose, and from the proceeds of the following library funds.

SMYTH LIBRARY FUND. Provision for this fund was made in 1876 by Hon. Henry J. Furber of the Class of 1861, from the excess income of the Smyth Mathematical Prize. Its proceeds are devoted to mathematical books.

SIBLEY LIBRARY FUND. This fund, now amounting to \$7,000, was established in 1881 by Jonathan Langdon Sibley, A.M., Librarian of Harvard College, and is for the purchase of books relating to American history.

SHERMAN LIBRARY FUND. This fund of \$1,000 was established in 1882 by Mrs. John C. Dodge, of Cambridge, Mass., in memory of her brothers, Joseph Sherman, LL.D., of the Class of 1826, and Thomas Sherman, M.D., of the Medical Class of 1828. Its proceeds are given to current literature.

AYER LIBRARY FUND. This fund of \$1,000 was established by the Athenæan Society in 1887 from a bequest of Hon. Samuel Hazen Ayer, of the Class of 1839.

BOND LIBRARY FUND. This fund, amounting to \$7,000, was given by Rev. Elias Bond, D.D., of the Class of 1837. From its income are purchased books relating to religion and ethics.

PACKARD LIBRARY FUND. This fund, based upon receipts

The Library

from certain publications of the library, is devoted to the purchase of books relating to the State of Maine as a memorial of Professor Alpheus Spring Packard, D.D., of the Class of 1816.

WOOD LIBRARY FUND. This fund of \$1,000 was given in 1890 by Dr. Robert W. Wood, of Cambridge, Mass., of the Medical Class of 1832. From its proceeds are purchased books on sociology.

GEORGE S. BOWDOIN LIBRARY FUND. This fund of \$1,000, given in 1895 by the gentleman whose name it bears, is devoted to the maintenance of a collection of books relating to the Huguenots.

JOSEPH WALKER FUND. This fund, now amounting to \$5,000, was given in 1896 by the Trustees under the will of the late Joseph Walker of Portland. Its proceeds in accordance with a vote of the Boards are applied to the general uses of the library.

PHILIP HENRY BROWN LIBRARY FUND. This fund of \$2,000, the income of which is devoted to the purchase of books on rhetoric and literature, was given in 1901 by the executor of the estate of Captain John Clifford Brown in fulfillment of the latter's desire to establish a memorial of his father, Philip Henry Brown, Esq., of the Class of 1851.

DRUMMOND LIBRARY FUND. This fund of \$3,000 is a memorial of the Rev. James Drummond, of the Class of 1836, and was given in 1907 by his widow and his daughter, Mrs. Charles F. Dole, of Boston, Mass.

CLASS OF 1877 LIBRARY FUND. This fund of about \$1,000 is a class contribution, made for the most part in 1908.

CLASS OF 1882 LIBRARY FUND. This fund of \$2,300 was given by the Class of 1882 as its contribution to the permanent funds of the College in 1908.

CLASS OF 1890 LIBRARY FUND. This fund of about \$1,000 is a class contribution, made in 1908.

CLASS OF 1901 LIBRARY FUND. This fund of about \$1,000 is a class contribution, made in 1908.

FISKE LIBRARY FUND. This fund of \$1,000 was established by

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the will of Rev. John Orr Fiske, D.D., of the Class of 1837. Its income became available in 1910.

WILLIAM A. PACKARD LIBRARY FUND. This fund of \$5,000 was established in 1910 by the will of Professor William Alfred Packard, Ph.D., D.D., of the Class of 1851. Its income is used "preferably for the purchase of such books as illustrate the Greek and Latin languages and literatures."

MEDICAL SCHOOL OF MAINE

FACULTY

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Medical School of Maine

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HENRY DARENYDD EVANS, A.M., *Professor of Public Hygiene.*

FRED PATERSON WEBSTER, A.B., M.D., *Professor of Pediatrics.*

MANTON COPELAND, PH.D., *Professor of Embryology and Histology.*

JAMES EDWARD KEATING, A.B., M.D., *Assistant Professor of Medicine.*

GILBERT MOLLESON ELLIOTT, A.M., M.D., *Assistant Professor and Demonstrator of Practical Anatomy.*

*AMBROSE HERBERT WEEKS, M.D., *Assistant Professor of Gastro-Enterology.*

RICHARD DRESSER SMALL, A.B., M.D., *Assistant Professor of Obstetrics.*

THOMAS JAYNE BURRAGE, A.M., M.D., *Assistant Professor of Clinical Medicine.*

*Died June 28, 1913.

Faculty

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LEON STANLEY LIPPINCOTT, A.B., M.D., *Instructor in Physiology.*

Medical School of Maine

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ALBION HENRY LITTLE, M.D., *Clinical Assistant in Diseases of the Eye and Ear.*

ALFRED WILLIAM HASKELL, M.D., *Clinical Assistant in Surgery.*

HERBERT ELDRIDGE MILLIKEN, M.D., *Assistant in Medicine.*

WILLIAM MORAN, M.D., *Clinical Assistant in Diseases of the Eye.*

HAROLD ASHTON PINGREE, M.D., *Clinical Assistant in Orthopedics.*

ERNEST WOODBURY FILES, A.B., M.D., *Clinical Assistant in Surgery.*

ERNEST BERTRAND FOLSOM, A.B., M.D., *Clinical Assistant in Medicine.*

ORAMEL ELISHA HANEY, M.D., *Clinical Assistant in Surgery.*

LUCINDA BLAKE HATCH, M.D., *Clinical Assistant in Obstetrics.*

STANWOOD ELMAR FISHER, M.D., *Clinical Assistant in Diseases of the Nose and Throat.*

MERLON ARDEEN WEBBER, A.B., M.D., *Assistant in Surgery.*

MILLARD CARROLL WEBBER, A.B., M.D., *Clinical Assistant in Diseases of the Eye and Ear, and Superintendent of the Dispensary.*

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ADAM PHILLIPS LEIGHTON, JR., M.D., *Assistant in Diseases of Women.*

JAMES DONALD CLEMENT, M.D., *Assistant in Genito-Urinary Surgery.*

CARL HERVEY STEVENS, M.D., *Assistant Demonstrator of Anatomy.*

GEORGE THOMAS LITTLE, LITT.D., *Librarian.*

GENERAL STATEMENT

The Medical School of Maine, established by the first Legislature of the State, was by its charter placed under the control of the Trustees and Overseers of Bowdoin College, of which institution it is the Medical Department.

Its course of instruction covers four years of thirty-six weeks each. The studies are distributed through the curriculum according to the following schedule:

FIRST YEAR: Anatomy, Embryology, Histology, Physiology, Chemistry, Personal Hygiene.

SECOND YEAR: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

THIRD YEAR: Medicine, Surgery, Clinical Pathology, Materia Medica and Pharmacology, Public Hygiene, Diseases of Women, Obstetrics, Diseases of the Skin, Eye, Ear, Nose, Throat and Genito-Urinary System.

FOURTH YEAR: Medicine, Surgery, Orthopedic Surgery, Therapeutics, Medical Jurisprudence, Medical Ethics, Diseases of Children, Neurology and Mental Diseases, with clinical instruction in the studies of the third year.

The total number of hours in the schedule exceeds the four thousand hours recommended by the Association of American Medical Colleges. These hours are apportioned to lectures, laboratory and clinical work in such a way as to conform to the recommendations of the above-named Association.

The students of the First and Second years are instructed at Brunswick, where the School has been situated since its foundation in 1820, and where the scientific departments of Bowdoin College afford facilities for teaching the primary branches. The Third and Fourth year classes are taught in Portland on account

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of the clinical advantages afforded in that city. A building designed for the use of the School is located on Chadwick Street, near the Maine General Hospital, in which institution nearly all the teachers in the School are medical or surgical officers, and the Directors of which are in full sympathy with the purposes of the Faculty.

While the Maine General Hospital (140 beds) is the largest single source of supply of clinical material for the School, Portland has a number of institutions, such as the Maine Eye and Ear Infirmary, the Children's Hospital, the City Hospital, the Marine Hospital, the Portland Tuberculosis Class, the Female Orphan Asylum, the St. Elizabeth's Orphan Asylum, the Holy Innocents' Home, and the Maine School for the Deaf, and the Maine School for the Blind, which will continue to contribute to bedside instruction of the students. The Edward Mason Dispensary, a gift to Bowdoin College from Mr. and Mrs. Hugh J. Chisholm, is increasing notably the facilities for clinical teaching.

Admission

Admission to the School

REQUIREMENTS FOR ADMISSION

One year of study in a reputable college, in which time particular attention has been bestowed upon physics, chemistry, biology, and either French or German, is required for admission to the Medical School. It is advised that students take two years of college work along the same lines.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the First year, must give satisfactory evidence that they have completed a course or courses of instruction, equivalent in kind and amount to that or those in this school preceding that to which admission is sought, and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates stating that examinations have been passed in other schools are not accepted in lieu of examinations.

Time spent in pharmaceutical, dental and veterinary institutions and in preparatory schools does not entitle a student to examinations for advanced standing.

Students in the Senior class of the Academic department are permitted to take the studies of the First year in the Medical department and thus are eligible for the First year final medical examinations.

It is desired that a literal interpretation shall be placed upon the requirements stated for candidates for matriculation, as hitherto there have been not infrequent examples of those who inquire if conditions other than those named will not serve in lieu of the examination.

EXAMINATIONS FOR ADMISSION

Examinations for admission to the First year will be held at 9 A. M. on Thursday, October 15, 1914.

Re-examinations, deferred examinations and examinations for

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advanced standing for those who desire to enter the Second year will be held in Brunswick, on Friday, October 16, 1914, examination in anatomy at 8 A. M., in physiology at 2 P. M. Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the Third year will be held in Portland on Saturday, October 17, 1914, examination in anatomy at 9 A. M., in physiology at 2 P. M. Re-examinations, deferred examinations and examinations for those wishing to enter the Fourth year will be held in Portland on Friday and Saturday, October 16 and 17, 1914, at hours to be hereafter appointed.

COURSES OF INSTRUCTION

ANATOMY

PROFESSOR TOBIE, ASSISTANT PROFESSORS ELLIOTT AND DRUMMOND AND DOCTORS HOLT, LIPPINCOTT, ROBINSON AND STEVENS

1. Systematic Anatomy. Lectures, demonstrations and recitations. Whole year: Tuesday, Friday, 9.30-10.30, except six weeks following the Easter vacation. PROFESSOR TOBIE

2. Recitations. Gerrish's Text-Book. Tuesday, 8.15-9.15, until the Easter vacation.

ASSISTANT PROFESSOR DRUMMOND

3. Recitations. Gerrish's Text Book. Friday, 8.15-9.15.

DOCTOR ROBINSON

4. Osteology and Arthrology. Recitations and student demonstrations from the dried specimens. Whole year: Thursday, 8.15-9.15 and 9.30-10.30, except six weeks following the Easter vacation.

ASSISTANT PROFESSOR DRUMMOND

Courses 1, 2, 3, 4 cover osteology, arthrology, myology and splanchnology, the last including the central nervous system and special sense organs. Surface anatomy is studied on the living model and free use is made of dissected specimens, models and casts with which the Calvin Seavey Museum is well supplied. Students are provided with disarticulated skeletons which remain in their possession throughout the year.

For First year students.

5. Practical Anatomy. Dissecting. Six weeks following the Easter vacation: six half-days a week.

PROFESSOR TOBIE, ASSISTANT PROFESSORS ELLIOTT AND DRUMMOND AND DOCTORS HOLT, LIPPINCOTT, ROBINSON AND STEVENS

Medical School of Maine

One hundred and thirty-five hours are devoted to practical anatomy and at least one part of the cadaver is dissected.

For First year students.

6. Systematic and Applied Anatomy. Lectures, demonstrations and quizzes. Whole year: Tuesday, Friday, 8.15-9.15, except six weeks following the Easter vacation.

PROFESSOR TOBIE

This course includes systematic consideration of myology, angiology and neurology. Regional and applied anatomy are treated by lectures, quizzes and demonstrations, the last named involving the use of casts, recent and dried specimens and the living model.

7. Recitations. Gerrish's Text-Book. Myology, angiology, and neurology. Tuesday, 9.30-10.30, until the Easter vacation.

ASSISTANT PROFESSOR DRUMMOND

8. Recitations. Gerrish's Text-Book. Friday, 9.30-10.30.

DOCTOR ROBINSON

Courses 6, 7, 8 are for Second year students.

9. Dissecting. Six weeks following the Easter vacation: daily 8.15-11.30 and 1.30-4.30.

PROFESSOR TOBIE, ASSISTANT PROFESSORS ELLIOTT AND DRUMMOND AND DOCTORS HOLT, LIPPINCOTT, ROBINSON AND STEVENS.

During the dissecting term students are required to dissect and demonstrate a complete lateral half of the cadaver. In recent years the abundant supply of dissecting material has enabled each student to dissect practically twice the required number of parts. Second year students are required to spend two hundred and seventy hours in the anatomical laboratory and this requirement also, is usually exceeded.

For Second year students.

CHEMISTRY

PROFESSOR CRAM AND ASSISTANT PROFESSOR LOOMIS

1. Analytical Chemistry. First half-year: Monday, Wednesday, Friday, 1.30-4.30.

Courses of Instruction

This course assumes a knowledge of first year chemistry which is required for entrance. The aim of the course is not so much to train analysts as to impart familiarity with chemical substances and principles. The work is mainly in the laboratory, the book used being Tower's Qualitative Chemical Analysis. Most of the time is devoted to qualitative analysis which is followed by a few exercises in quantitative.

For First year students.

2. Organic Chemistry. Second half-year: same hours, except that the Wednesday hours are omitted for the six weeks following the Easter vacation.

This course is given mainly by lectures with some laboratory work in the preparation of certain organic compounds. Attention is given to the important classes into which organic compounds are divided and to properties and reactions common to the whole class, rather than to specific compounds and special reactions. The compounds chosen to illustrate each class are as far as possible those of importance to the physician.

3 and 4. Physiological Chemistry. Whole year: Thursday, 8.30-12.30, except six weeks following the Easter vacation.

The book used is Hawk's Practical Physiological Chemistry. The work is mainly in the laboratory, supplemented by assigned readings and quizzes. This is followed by urinary analysis, the analysis of foods, detection of poisons, and the analysis of drugs and medicines.

First year students who have had satisfactory courses in analytical chemistry and organic chemistry, take the regular work in physiological chemistry with the Second year students their First year. In their Second year such students will be given an opportunity to do advanced individual work in the newer methods of urinary analysis and in research. Students desiring to be excused from either first year course should present certificates from previous instructors stating the rank which they have received.

The aim is to make the chemical courses as practical as possible. To this end the student is taught how to construct apparatus and prepare reagents as well as to use them. Particular attention is given also to the literature so that a man may become familiar with the standard works of reference in each department. For this the equipment of the Searles

Medical School of Maine

Science Building is fully adequate.

Each student is required to pay in advance at the office of the Deputy Dean a laboratory fee, covering the average cost of chemicals, gas and water. This is \$3.00 for the First year and \$2.00 for the Second year. In addition each will pay for apparatus broken or not returned at the end of the term.

DERMATOLOGY

PROFESSOR PUDOR

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

For Third year students.

DISEASES OF THE NOSE AND THROAT

PROFESSOR DAVIS

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

Especial attention will be given to the anatomy of the parts, to diagnosis, and to the clinical study of the conditions which the general practitioner is most often called upon to treat. Clinical instruction will continue through the Fourth year.

For Third year students.

GENITO-URINARY SURGERY

PROFESSOR ALFRED MITCHELL, JR.

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

For Third year students.

GYNECOLOGY

PROFESSOR THOMPSON AND DOCTORS W. BEAN MOULTON
AND PHILIP P. THOMPSON

1. Lectures, quizzes, recitations and demonstrations. Whole year: Wednesday, 10.00. PROFESSOR THOMPSON

For Third year students.

2. Course in the examination of female patients. History-

Courses of Instruction

taking, instruction in "Touch Examinations." Dispensary.
Whole year: Monday, Thursday, 11.00.

DOCTORS W. BEAN MOULTON AND PHILIP P. THOMPSON

For Fourth year students.

3. A course in the microscopical examination of fresh and prepared sections from gynecological cases. Twelve hours during the second half-year. DOCTOR W. BEAN MOULTON

For Fourth year students.

4. Gynecological operations at the Maine General Hospital of which notice is given.

HISTOLOGY AND EMBRYOLOGY

PROFESSOR COPELAND AND ASSISTANT PROFESSOR GROSS

1. Histology. Text-book, lectures and laboratory exercises.
First half-year: Monday, 8.30-11.30, Thursday, 1.30-4.30.

The elementary tissues are first studied, then the microscopic anatomy of the various organs of the human body. Some practice is provided in histological technic.

For First year students.

2. Embryology. Text-book, lectures and laboratory exercises. Second half-year: Monday, 10.30-12.30, Tuesday, 1.30-5.30.

This course serves as an introduction to vertebrate embryology with especial reference to the human embryo. It treats of the reproductive cells, maturation, fertilization, cleavage, the formation of the germ layers, the development of the primitive segments, the formation of the fetal membranes and organogeny.

For First year students.

MATERIA MEDICA, PHARMACOLOGY AND THERAPEUTICS

PROFESSOR HUNT AND DOCTOR DERRY

1. Pharmacology. First half-year: Monday, 9.00-10.00, Tuesday, 8.00-9.00.

This is a text-book course of thirty hours. It gives the

Medical School of Maine

student a general idea of the action of the more important drugs.

For Third year students.

2. Laboratory Materia Medica and Pharmacology. First half-year: Monday, Thursday, 4.00-6.00.

This is a laboratory course of sixty hours. Early in the course are taken up Botany, Plant Chemistry, the manufacture of pharmaceutical preparations and the study of incompatibles. The last three-fourths of the course are devoted to experimental pharmacodynamics. The students perform experiments, either individually or in groups, on living animals. These experiments give the students a first-hand knowledge of the action of the more important drugs.

For Third year students.

3. Pharmacology and Therapeutics. Second half-year: Monday, 9.00-10.00, Tuesday, 8.00-9.00.

This is a lecture course of thirty hours. Instruction is by lectures and quizzes. The systematic study of drugs and other remedial agents and their application to the treatment of disease is begun.

For Third year students.

4. Continuation of Course 3. First half-year: Monday, Wednesday, 11.00-1.00.

This is a course of sixty hours.

For Fourth year students.

5. Therapeutics. Second half-year: Monday, Wednesday, 11.00-1.00.

This is a text-book course of sixty hours.

For Fourth year students.

The total number of hours of instruction in this department is 240.

MEDICAL ETHICS

PROFESSOR GERRISH

- Medical Ethics. Second half-year: Saturday.

A course of lectures on the moral principles, which should

Courses of Instruction

control the conduct of the medical practitioner. The sections of the formal code of ethics are discussed and explained, especial emphasis being laid upon those portions that most need elucidation; and instruction is given upon various other matters concerning duty, on which the young physician particularly needs advice and guidance.

For Fourth year students.

MEDICAL JURISPRUDENCE

LECTURER PAYSON

Medical Jurisprudence. Second half-year: Saturday.

The instruction in Medical Jurisprudence, in a course of lectures followed by an examination, will be directed mainly to an exposition of the legal duties and responsibilities of physicians and surgeons to their patients and also to their character and position as medical expert witnesses in Courts of Justice. Practical suggestions will be given for guidance in both respects.

MEDICINE

PROFESSOR THAYER, ASSISTANT PROFESSORS KEATING AND BURRAGE, AND DOCTORS WELCH, MILLIKEN AND FOLSOM

1. A preliminary survey of the whole field of Practice of Medicine as covered in the text-book of Osler. Three hours a week. ASSISTANT PROFESSOR KEATING

2. Practical instruction in physical examinations. Sections. Dispensary. Six hours a week.

ASSISTANT PROFESSOR BURRAGE AND DOCTORS WELCH AND MILLIKEN

3. Clinical Diagnosis. Sections. City Hospital. Two hours a week. PROFESSOR THAYER

4. Tuberculosis clinic. Dispensary. Sections. Tuesday, Friday, 11.00-12.00. DOCTOR WELCH

Courses 1, 2, 3, 4 aim especially to teach a practical technique in the making of succinct case-histories, in the physical examination of patients, and in the laboratory study of

Medical School of Maine

blood, stomach-contents, faeces, urine and sputum.

For Third year students.

5. Bedside and laboratory study in wards. Maine General Hospital. Sections. Ten hours a week.

ASSISTANT PROFESSOR KEATING

6. Instruction in especially assigned topics. Case reports. Clinical conferences. Two hours a week.

PROFESSOR THAYER

7. Amphitheatre clinic. Tuesday, 9.00-11.00.

PROFESSOR THAYER

Courses 5, 6, and 7 are intended to teach each student to sift his facts,—to correlate the subjective symptoms related by the patient with his own objective findings after examination,—and to reason soundly in the direction of prognosis and treatment.

For Fourth year students.

MENTAL DISEASES

PROFESSOR MILLER

Lectures. Laboratory demonstrations. Clinics. Examinations of cases by individual students. Four entire Saturdays at the Maine Insane Hospital.

For Fourth year students.

NEUROLOGY

PROFESSOR SWIFT

Clinics. Lectures. Laboratory work. Recitations. Whole year. Tuesday, Friday, 5.00-6.00.

For Fourth year students.

OBSTETRICS

PROFESSOR McDONOUGH, ASSISTANT PROFESSOR SMALL, AND
DOCTORS EVERETT AND HATCH

1. Lecture or Conference. Monday, Friday, 9.00-10.00.

PROFESSOR McDONOUGH

Courses of Instruction

2. Quiz. Tuesday, 9.00-10.00.

ASSISTANT PROFESSOR SMALL

3. Section work on manikin. Hours to be assigned.

DOCTOR EVERETT

4. At Dispensary. Examinations of patients to determine position and pelvic measurements, and attendance on cases, under direction of Doctor Everett.

5. At Temporary Home. Attendance on cases, under direction of Doctor Hatch.

Arrangements have been made with the Boston Lying-In Hospital whereby students who have passed examination in obstetrics at end of Third year, will attend course of ten days or two weeks during summer or fall. If assignments come during school term, credit for attendance is allowed those absent in Boston. There is no added expense. Students must present certificates of attendance on at least six cases (the average number is ten) before presenting themselves for graduation.

OPHTHALMOLOGY AND OTOTOLOGY

PROFESSOR WILLIS BRYANT MOULTON AND DOCTORS LITTLE,
MORAN AND M. C. WEBBER

1. Lecture and quiz course. Whole year: one hour a week.
2. Clinics. Maine General Hospital. Whole year: one hour a week.
3. Clinics. Dispensary. Whole year: two hours a week.
4. Fourth year students will receive instruction in sections at the Eye and Ear Infirmary.

ORTHOPEDIC SURGERY

PROFESSOR ABBOTT AND DOCTORS LAMB AND PINGREE

1. Didactic and clinical lectures. Children's Hospital. One hour a week.
2. Individual instruction in plaster-work, orthopedic dress-

Medical School of Maine

ings and studies in the use of the X-ray. Sections. Three hours a week.

For Fourth year students.

PATHOLOGY, BACTERIOLOGY AND HYGIENE

PROFESSOR WHITTIER AND DOCTORS FULLER AND LIPPINCOTT

1. Hygiene. Lectures and laboratory work. Second half-year: Thursday, 1.30-4.30, Friday, 10.30-12.30, except six weeks following the Easter vacation.

This course occupies five hours a week for nine weeks. Eighteen of the hours are didactic and twenty-seven are laboratory hours. Lectures are given on personal hygiene and include such subjects as exercise, ventilation, sources of food and water supply, first aid in emergency cases, effects of alcohol, and sex hygiene. The course is also designed to give an introduction to Bacteriology and includes introductory lectures on that subject. The laboratory work includes simpler bacteriological technic, microscopical examination of foods, practical experiments in disinfection and routine examinations of water and milk.

For First year students.

2. Bacteriology. Lectures and laboratory work. First half-year until Christmas vacation: Monday, Tuesday, Wednesday, Friday, 1.30-5.30.

This course occupies sixteen hours a week for nine weeks. Forty of the hours are didactic and one hundred and four are laboratory hours. Students are required to prepare most of the media and solutions used in this course. Each student is required to cultivate upon media twelve varieties of pathogenic bacteria and to study their characteristics. Animal inoculations and autopsies are performed by the students. Special attention is given to laboratory diagnosis of tuberculosis, diphtheria and typhoid fever.

For Second year students.

3. General Pathology, including Pathological Histology, also Pathology of the Blood. From Christmas vacation to the end of the year except six weeks following the Easter vacation: Monday, Tuesday, Wednesday, Friday, 1.30-5.30.

Courses of Instruction

This course occupies sixteen hours a week for fifteen weeks. Sixty of the hours are didactic and devoted to quizzes and lectures and one hundred and eighty are laboratory hours. McFarland's text-book is used as a basis for this course. The text-book is supplemented by lectures on special subjects. As far as possible the consideration of a subject in the classroom is followed by a study of the same subject in the laboratory. Much time is given before the Easter vacation to diagnosis work upon the microscopical preparations. The last two weeks of the course are devoted largely to the study of the pathology of the blood and the technic of blood examinations. Students are trained in counting red and white corpuscles, in estimating amount of hemoglobin, in preparation and examination of stained specimens.

For Second year students.

4. Clinical Pathology. Practical work by assignment in the Portland hospitals and in the school laboratory. Also scheduled work in the school laboratory from the Easter vacation to the end of the year: Tuesday, Wednesday, 2.00-4.00.

The scheduled course occupies four hours a week for nine weeks. Fifteen of the hours are didactic, and twenty-one are laboratory hours. The course in Clinical Pathology occupies at least eighty hours. Of these only thirty-six are scheduled.

Arrangements have been made with the Maine General Hospital, the Maine Eye and Ear Infirmary and Edward Mason Dispensary for Third year students to do pathological work in these institutions. Regular assignments are made and reports of work done required. By arrangement with the physicians in charge special attention is given to the clinical side of this work.

Instruction is given as opportunity occurs at surgical clinics and autopsies. In the work at the Medical School building each student examines microscopically tissues and other pathological material obtained at the Maine General Hospital, Maine Eye and Ear Infirmary, Children's Hospital and Edward Mason Dispensary. Whenever possible students are required to obtain material from the patients.

Students receive especial training in the technic of preparing bacterial vaccines, also in performing the Wassermann test for syphilis.

For Third year students.

Medical School of Maine

PEDIATRICS

PROFESSOR WEBSTER AND DOCTOR MOORE

1. Recitations based on text-book, together with clinical demonstrations at the Children's Hospital. First half-year: Monday 5.00, Medical School; Wednesday, 10.00, Children's Hospital.

2. Recitations conducted by the case teaching method, emphasizing differential diagnosis and treatment. Second half year: at the same hours.

3. Clinical instruction of small sections. Whole year: Tuesday, Thursday, Saturday, 11.00-1.00, Edward Mason Dispensary.

Infant care and feeding at the Portland Milk Station clinic.

Diseases and disorders of children at the Dispensary clinic.

4. Clinical instruction in acute diseases of childhood at the Children's Hospital and at the Female Orphan Asylum and in acute contagious diseases at the Portland Isolation Hospital. By appointment throughout the school year.

Courses 1, 2, 3, 4 are for Fourth year students.

PHYSIOLOGY

PROFESSOR SMITH AND DOCTORS BOLSTER AND LIPPINCOTT

1. Functions of Nutrition. First half-year: recitations and lectures until December 1; from December 1 to March 28, laboratory work twice weekly, 8.00-10.30. A total of 88 hours.

DOCTOR BOLSTER

This course includes the graphic study of Nerve-Muscle physiology; the physical and microscopical study of Blood; the phenomena and physics of Circulation, Respiration, Secretion, Excretion and Digestion; Metabolism and Animal Heat.

The laboratory is equipped with a set of Harvard apparatus sufficient for the use of the entire class in groups, each

Courses of Instruction

group having its own complete outfit. There is an ample equipment of demonstration and other apparatus and models.

There are frequent written reviews and quizzes and a final laboratory examination is held at the close of the course.

2. Continuation of Course 1. Recitations, supplementary lectures and demonstrations. Second half-year: Wednesday, Saturday, 8.15-10.30. PROFESSOR SMITH

Courses 1, 2 are for First year students.

3. Functions of Relation. Recitations and lectures with necessary demonstrations. From opening of year to March 28, twice weekly, 8.15-10.30.

The work includes the study of Reproduction, the Nervous System, the Physiology of Voice and Speech, the Special Senses, and the mechanics of the Muscular System. The equipment in models of the Nervous system and Special-Sense organs is ample for all demonstration work, and students will have opportunity for personal study of the models of the Nervous System which are of the latest design and of especial excellence.

4. Laboratory demonstration exercises, in connection with the Nervous System and the Special Senses. This course will cover over 30 hours. January, February, March: Monday, 8.00-11.00. PROFESSOR SMITH AND DOCTOR LIPPINCOTT

Work in Physiology for the Second year students is suspended for the six weeks of the dissecting term and resumed for review recitations at its close.

Courses 3, 4 are for Second year students.

Instruction in the department of Physiology will be conducted with particular reference to the practical application of the facts of human physiology to the needs of the student in his study of the diagnosis and treatment of disease.

A laboratory fee will be charged to defray the cost of material, which fee must be paid at the office of the Deputy Dean before beginning the laboratory course. This fee is \$2.00 for the First year and \$1.00 for the Second year. Students furnish at their own expense necessary instruments for nerve-muscle dissection, and are charged with the cost of loss and injury to apparatus.

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PUBLIC HYGIENE

PROFESSOR EVANS

Public Hygiene. First half-year: Tuesday, 2.45 to 4.45.

Principles of public sanitation. Source and character of public and private water supplies and the interpretation of the results of their analysis. Collection and disposal of waste, sewage and garbage with reference to preventable diseases. Health boards, and their relation to the public. Study of the epidemiology of infectious diseases.

For Third year students.

SURGERY

PROFESSORS KING, BROCK AND BRADFORD, AND DOCTORS
TWITCHELL, WILLIAMSON, GILSON, LEIGHTON,
FILES, HANEY AND M. A. WEBBER

1. General Surgery. Whole year: Wednesday, Friday, Saturday, 8.00-9.00.

Special instruction in bandaging, surgical technic, the administration of anaesthetics, the use of surgical instruments, the principles of surgery, general surgery, fractures, dislocation and hernias.

For Third year students.

2. Clinical General Surgery. Whole year: Maine General Hospital, Thursday, 10.00; Mason Dispensary, Monday, 12.00-1.00.

The clinic at the Maine General Hospital is given by a member of the visiting staff. The clinical instruction at the Mason Dispensary is given by the professor of surgery.

For Third year students.

3. Special Surgery. Whole year: Monday, Tuesday, 9.00-10.00, Thursday, 5.00-6.00.

Instruction in the special surgery of the various organs

Courses of Instruction

and tissues of the body, except those taught in special departments.

For Fourth year students.

4. Clinical Special Surgery. Whole year: Ward visits in sections at the Maine General Hospital, Monday, Tuesday, Thursday, Saturday, 11.00-1.00. Operations in the amphitheatre. Operations by students on the cadaver.

Students are notified by telephone of accident cases brought to the Hospital. They are also afforded opportunities by the surgical staff of the Mason Dispensary of observing and assisting in the care of cases in their daily service. The surgical clinical advantages of the City Hospital, Marine Hospital and other institutions in Portland are utilized. While a large amount of surgical clinical material is available, it is the purpose of the School to use it in a way to strengthen and not lead to the neglect of other and essential studies.

For Fourth year students.

Medical School of Maine

Administration

TERMS AND VACATIONS

The 94th annual course began on Thursday, October 16, 1913, and will continue thirty-six weeks. The systematic course of instruction began on Monday morning, October 20th. Commencement Day is the fourth Wednesday of June. The Summer Vacation of sixteen weeks follows Commencement Day. There are two periods of vacation during the year: the first, a recess of about ten days including Christmas and New Year's; the second, the Easter recess of about ten days near the first of April. The following are also observed as holidays: Thanksgiving Day, Washington's Birthday, Patriots' Day and Memorial Day.

REGISTRATION

On arriving in Brunswick students should apply at the office of the Deputy Dean, Dr. F. N. Whittier, enter their names, receive directions concerning their examinations, if any are needed, pay their fees, and be advised as to boarding places.

In Portland they should apply at the office in the medical building for the same purpose.

EXPENSES

FOR INSTRUCTION: In each of the required four years, \$100. This shall be paid promptly, one-half at the opening of the course and the balance at the beginning of the second half of the course.

FOR EXAMINATIONS: Payable at the close of the term of instruction,

In Anatomy	\$5.00
In Physiology	5.00
In Chemistry	5.00
In Bacteriology and Pathology	5.00
In Obstetrics	5.00

Administration

These five fees are credited on the diploma or graduation fee.

For every re-examination in any of the departments in any year, \$3.00. This fee is not credited on the diploma fee.

For examination or re-examination in any branch, at a time not regularly appointed, a fee of \$5.00 must be paid in addition to the prescribed fee for that examination.

MISCELLANEOUS: The Matriculation fee of \$5.00 is required of every student each year.

For materials used in the chemical laboratory courses, \$3.00 for the First course, \$2.00 for the Second course, payable in advance.

For materials used in the physiological laboratory, \$2.00 for the First course, \$1.00 for the Second course, payable in advance.

For anatomical material, its cost, payable in advance.

For graduation fee (not returnable), including the parchment diploma, \$25.00. This will have been paid in the examination fees of the previous years.

Furnished rooms can be obtained at a rental of from \$1.50 to \$2.50 per week according to the conveniences. A sharing of the above expenses by two students brings the cost within reasonable limits.

The price of board is from \$4.00 to \$5.00 a week.

The cost of living in Portland has been found to be not necessarily in excess of that at Brunswick.

The cost of books is about \$15.00 to \$25.00 a year.

Final examinations for each class are held in the period just preceding Commencement.

EXAMINATIONS AND STANDING

At the end of the First, Second and Third years students who have passed successful examinations will receive certificates from the Secretary.

A student who fails to pass any branch at the required examination in June may present himself for re-examination at the beginning of the next course. If he fails at this examination, he

Medical School of Maine

will not again be examined in that branch until the expiration of the year, unless admitted to conditions by vote of the Faculty on recommendation of the head of the department in which he has failed.

On recommendation of the head of a department, any student who has failed on examinations as above provided in the study of that department may by vote of the Faculty be allowed to enter upon the work of the next year, but he shall not be admitted to any examination of that year until he will have passed a satisfactory examination in the study or studies which he has previously failed to pass.

No student will be admitted to the privilege of conditions if he has failed in more than two departments.

Every student who fails to maintain a satisfactory standard of work will be warned of his deficiency from time to time, before the end of the term.

An examination which is not completed receives no consideration.

REQUIREMENTS FOR A DEGREE

In order to be recommended for the degree of Doctor of Medicine a candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examinations must have been in this School. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass a satisfactory examination in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean at least ten days before the beginning of the final examinations.

The Library

The Library

The Library of the Medical School, containing over 5,000 volumes, has been combined with that of the College, which numbers over 100,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate room for their especial use. It is not the policy of the School to furnish textbooks through its library, or to buy largely in medical literature; yet by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the Librarian is able to procure for use in serious investigation almost any book that may be desired.

The library of the Maine Academy of Medicine and Science, now the property of the Maine Medical Association, is housed conveniently at the Maine Eye and Ear Infirmary, and is available for the use of students of the Medical School.

ALUMNI ASSOCIATIONS AND SPECIAL
FITTING SCHOOLS

Alumni Associations

THE GENERAL ASSOCIATION

President, FRANKLIN CONANT PAYSON, LL.D. ; *Vice-President*, CHARLES TAYLOR HAWES ; *Secretary and Treasurer*, GEORGE THOMAS LITTLE, Litt.D., Brunswick, Me.

ASSOCIATION OF BOSTON

President, MYLES STANDISH, M.D., Sc.D. ; *Secretary*, ALFRED B. WHITE, LL.B., 85 Devonshire Street, Boston, Mass.

THE BOWDOIN CLUB OF BOSTON

President, HARLAN MELVILLE BISBEE, A.M. ; *Secretary*, GEORGE PALMER HYDE, LL.B., 201 Devonshire Street, Boston, Mass.

ASSOCIATION OF NEW YORK

President, WILLIAM CURTIS MERRYMAN, C.E. ; *Secretary*, JOSEPH BANKS ROBERTS, LL.B., 2 Rector Street, New York City.

ASSOCIATION OF WASHINGTON

President, HON. CHARLES FLETCHER JOHNSON, LL.D. ; *Recording Secretary*, WOODBURY PULSIFER, A.M., M.D. ; *Corresponding Secretary*, CHARLES HARRIS HASTINGS, Library of Congress, Washington, D. C.

Bowdoin College

ASSOCIATION OF PORTLAND

President, FREDERICK ODELL CONANT, A.M.; *Secretary*, EDWARD SWASEY ANTHOINE, A.M., 57 Exchange Street, Portland, Me.

ASSOCIATION OF OXFORD COUNTY

President, HON. ADDISON EMERY HERRICK, A.M.; *Secretary*, FRANK KIMBALL, Norway, Me.

KENNEBEC ALUMNI ASSOCIATION

President, HON. WESTON LEWIS, A.M.; *Secretary*, GEORGE HERBERT MACOMBER, Augusta, Me.

ASSOCIATION OF PROVIDENCE, R. I.

President, CARL ROSWELL DOTEN, M.D.; *Secretary*, HAROLD GRANT TOBEY, M.D.

ASSOCIATION OF AROOSTOOK COUNTY

President, HON. ANSEL LAFORREST LUMBERT, A.M.; *Secretary*, AARON ALBERT PUTNAM, LL.B., Houlton, Me.

WESTERN ALUMNI ASSOCIATION

President, HON. RODELPHUS HOWARD GILMORE, A.M.; *Secretary*, GEORGE STILLMAN BERRY, A.M., 327 Kittredge Building, Denver, Col.

ALUMNI RECORD

It is desired to keep as full a record as possible of the residences, occupations and public services of the alumni. Information is solicited in regard to these points, and also in regard to matters appropriate to the obituary record annually published by the College.

Communications should be addressed to the College Librarian.

Special Fitting Schools

The schools noticed on the following pages have been constituted special Fitting Schools for Bowdoin College by the action of their several Boards of Trustees, in concurrence with the college Boards. They are annually examined by representatives of the College. Graduates of the schools, however, are required to pass the regular college entrance examinations for admission, at the same dates and under the same conditions as are prescribed for students of other preparatory schools, unless the school is approved by the New England College Entrance Certificate Board.

FRYEBURG ACADEMY

Fryeburg, Me.

INCORPORATED FEBRUARY 9, 1792.

ERNEST EUGENE WEEKS, A.B., *Principal*.

This school offers five courses of study, of four years each:

- I. A Classical College Preparatory Course.
- II. A Scientific College Preparatory Course.
- III. A Business Course.
- IV. A Manual Training Course.
- V. An Agricultural Course.

The Academy is on the approved list of the New England College Entrance Certificate Board.

EXPENSES

TUITION. The cost of tuition is \$10.00 per term for all branches, drawing, painting and laboratory fees included. Reg-

Bowdoin College

istration fee, \$1.25 per term. Manual training, \$.75 per term.

BOARD. The cost of board in the dormitories is \$4.50 a week, including heating and lights.

CALENDAR

Fall term of 14 weeks began September 16, 1913.

Winter term of 13 weeks begins January 6, 1914.

Spring term of 11 weeks begins April 7, 1914.

Examiner appointed by the College for 1913-1914: Professor Files.

WASHINGTON ACADEMY

East Machias, Me.

INCORPORATED MARCH 7, 1792,

RALPH STANLEY SMITH, A.B., *Principal*.

This academy offers three courses of study:

I. A College Preparatory Course of four years.

II. A Scientific Course of four years.

III. An English-Commercial Course of four years.

The Academy is on the approved list of the New England College Entrance Certificate Board.

EXPENSES

TUITION. The tuition fee is \$8.00 a term, and covers all expenses for laboratory and commercial equipment. Vocal music and elocution are offered free to all students.

BOARD. The cost of board and room is from \$3.50 to \$4.00 per week. Rooms can be obtained at very low rates by students who wish to board themselves.

CALENDAR

Fall term of 14 weeks began September 8, 1913.

Winter term of 12 weeks begins December 29, 1913.

Spring term of 12 weeks begins March 28, 1914.

Special Fitting Schools

Examiner appointed by the College for 1913-1914: Professor Mitchell.

LINCOLN ACADEMY

Newcastle, Me.

INCORPORATED FEBRUARY 23, 1801.

FRANK ELLSWORTH BRIGGS, A.B., *Principal*.

This school offers four courses of study:

- I. A College Preparatory Course, of four years.
- II. A Commercial Course, of four years.
- III. Teacher's Training Course, of four years.
- IV. A General Course, of four years.

The Academy is on the approved list of the New England College Entrance Certificate Board.

EXPENSES

TUITION. The cost of tuition is \$10.00 per term.

BOARD. Board can be obtained at from \$3.00 to \$4.00 per week. Rooms for self-boarding may be secured at reasonable rates.

CALENDAR

Fall term of 14 weeks began September 15, 1913.

Winter term of 13 weeks begins January 5, 1914.

Spring term of 11 weeks begins April 14, 1914.

Examiner appointed by the College for 1913-1914: Professor McConaughy.

THORNTON ACADEMY

Saco, Me.

INCORPORATED FEBRUARY 16, 1811.

ERNEST ROLISTON WOODBURY, A.M., *Principal*.

This academy offers four courses of study, of four years each:

- I. A Classical College Preparatory Course.
- II. A Scientific College Preparatory Course.
- III. An English Course.
- IV. A Business Course.

Bowdoin College

The Academy is on the approved list of the New England College Entrance Certificate Board.

EXPENSES

TUITION. Tuition in each course is \$10.00 a term, payable in advance. Those desiring to take special studies will be charged \$5.00 a term for each study.

BOARD. Board and room can be obtained in the Dormitory at from \$5.00 to \$8.00 a week.

CALENDAR

Fall term of 14 weeks began September 15, 1913.

Winter term of 12 weeks begins January 5, 1914.

Spring term of 11 weeks begins April 6, 1914.

Examiner appointed by the College for 1913-1914: Professor Hormell.

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